

FIG. 1

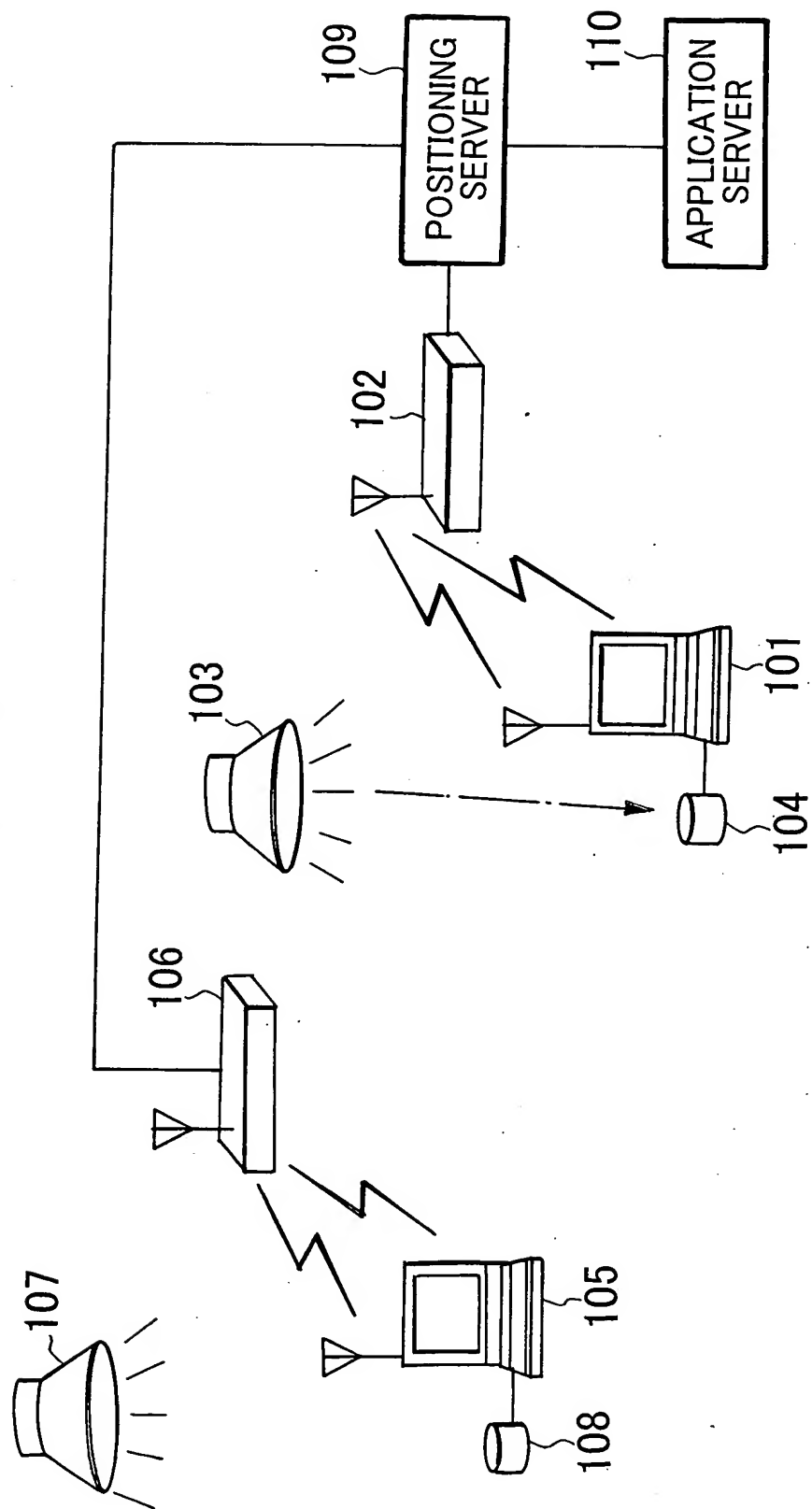


FIG.2

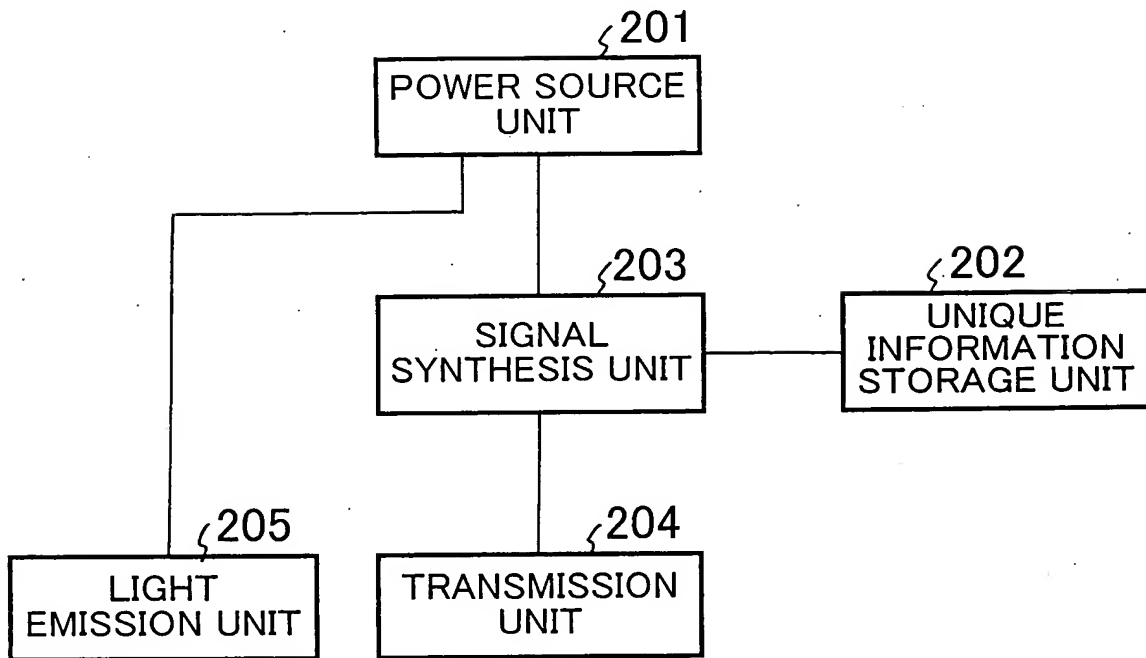


FIG.3

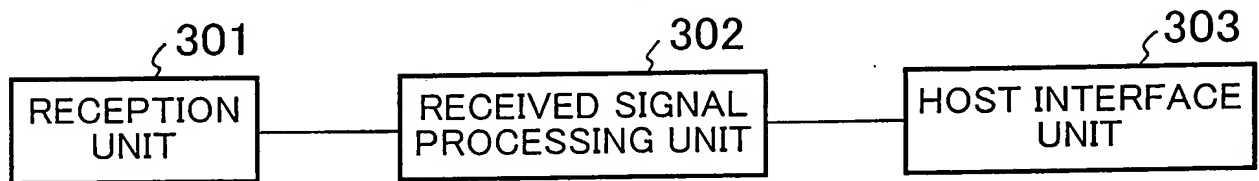


FIG.4

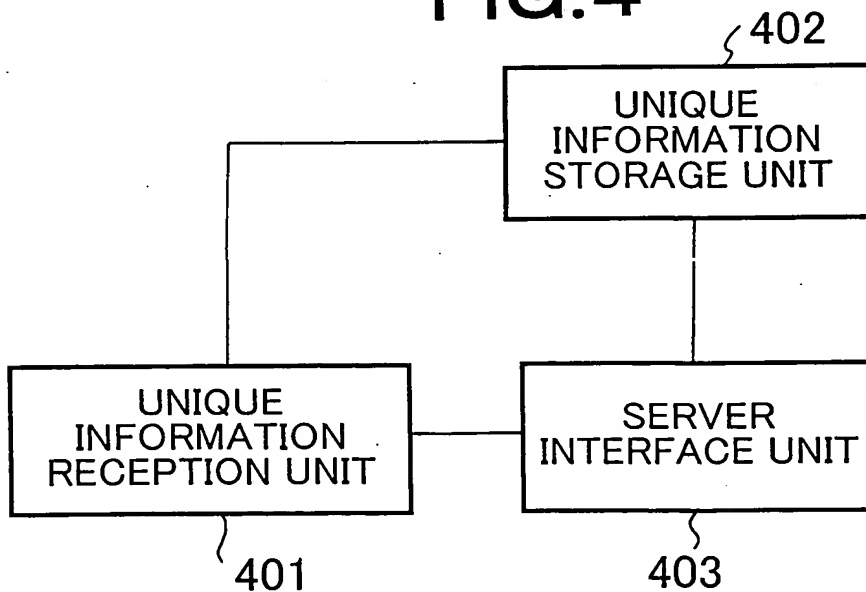


FIG.5

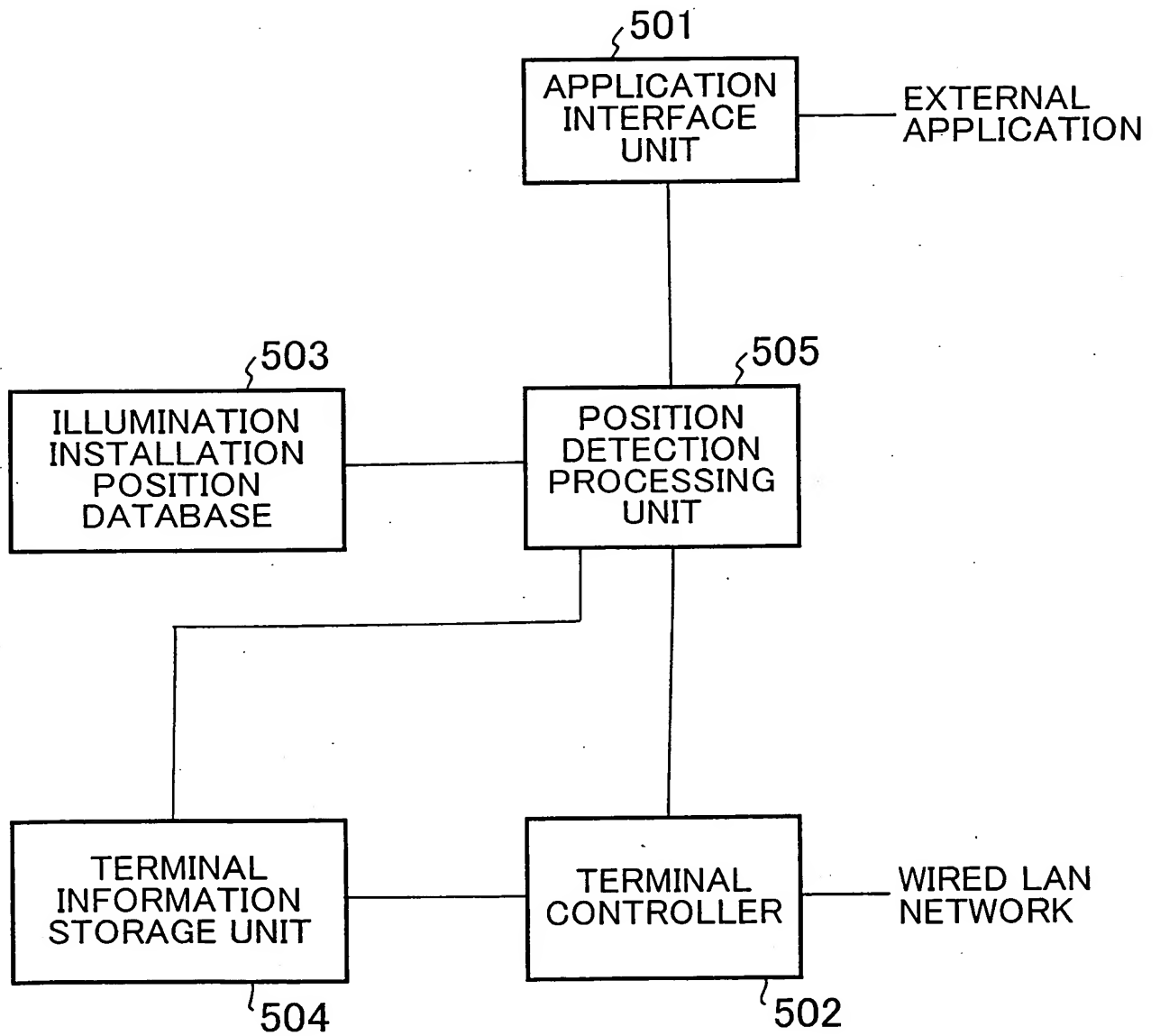


FIG. 6

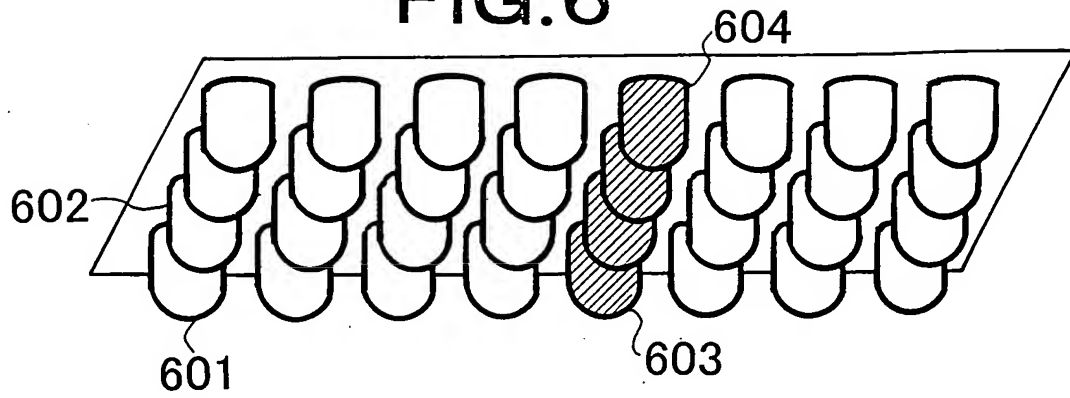


FIG. 7

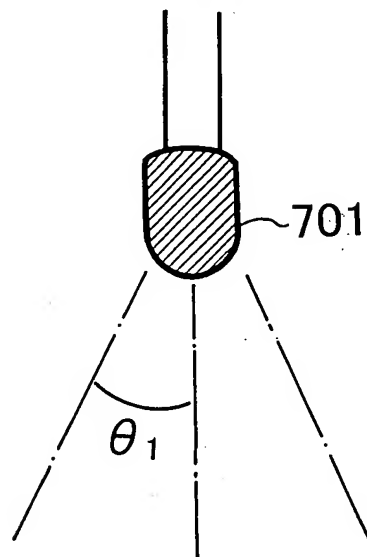


FIG. 8

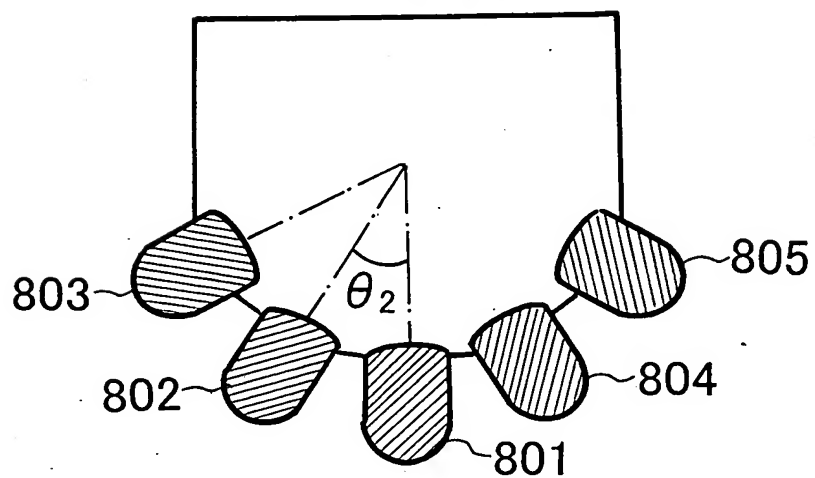


FIG.9

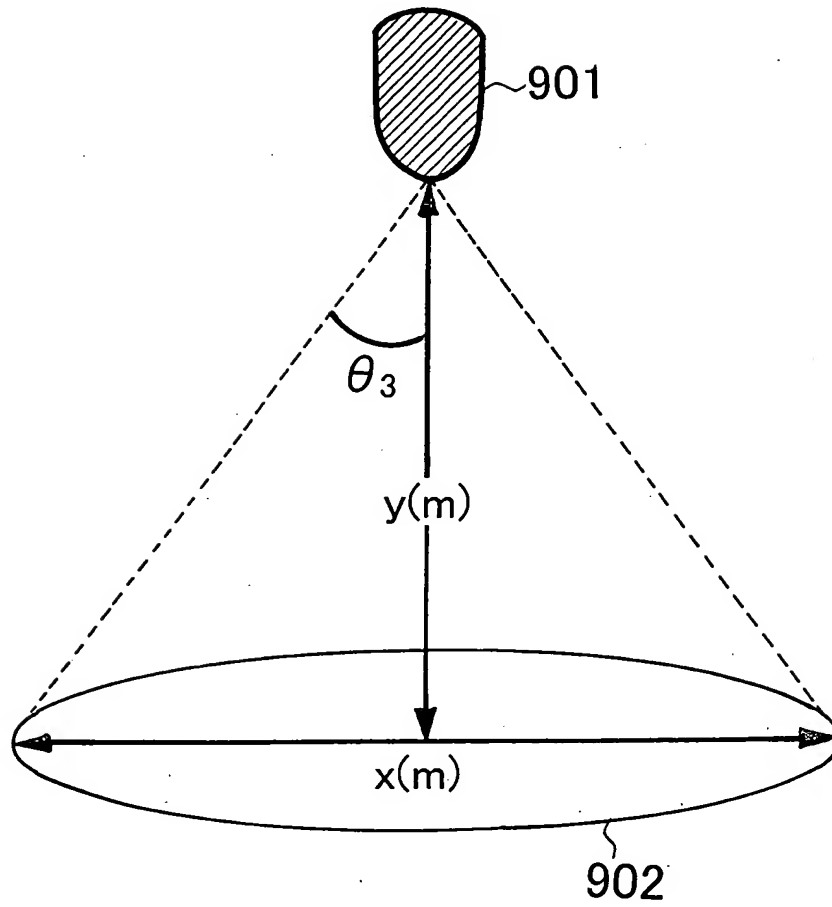


FIG.11

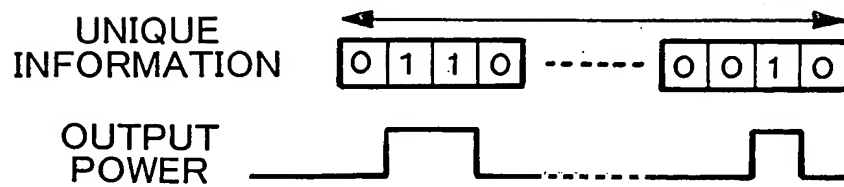


FIG. 10

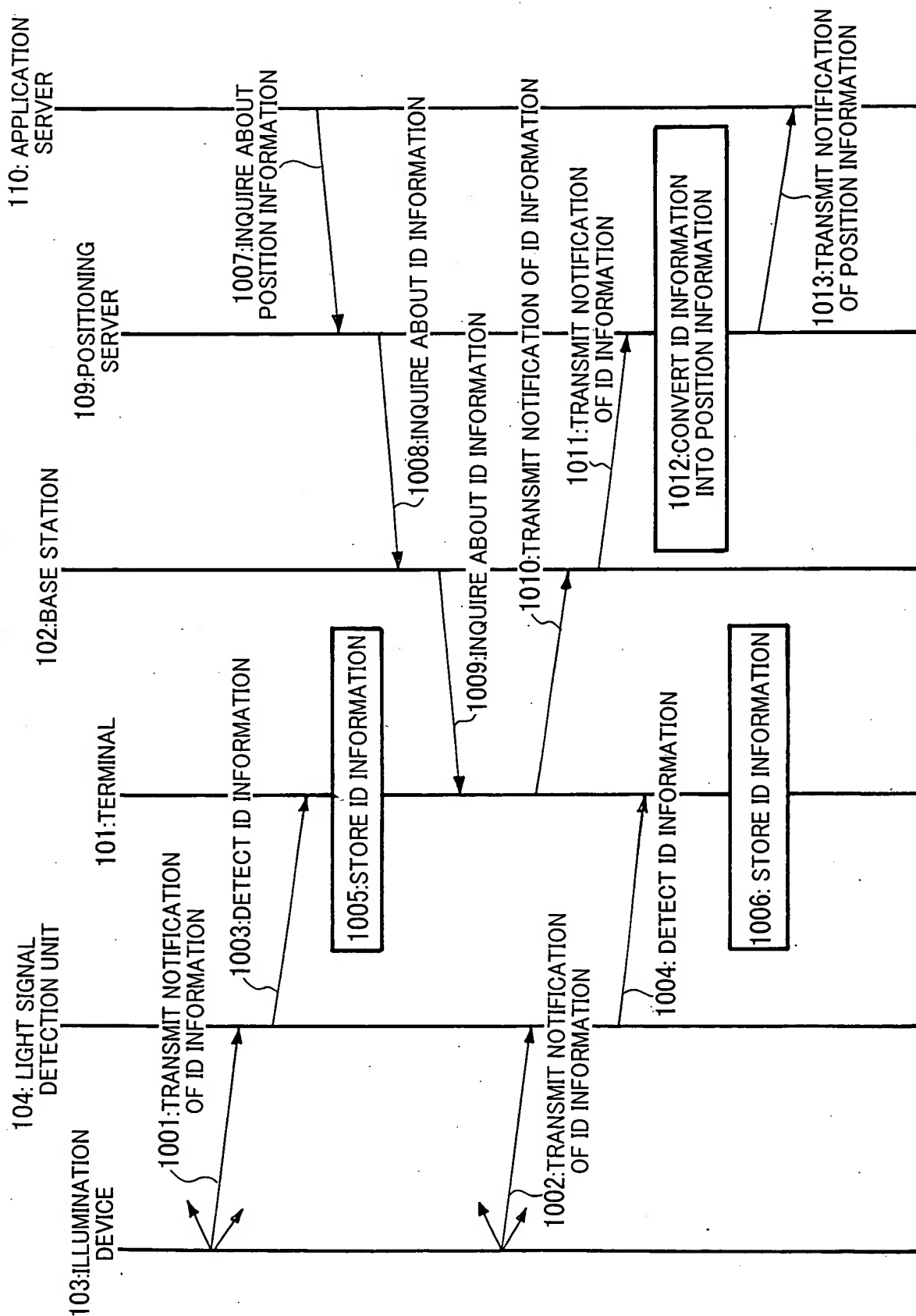


FIG.12

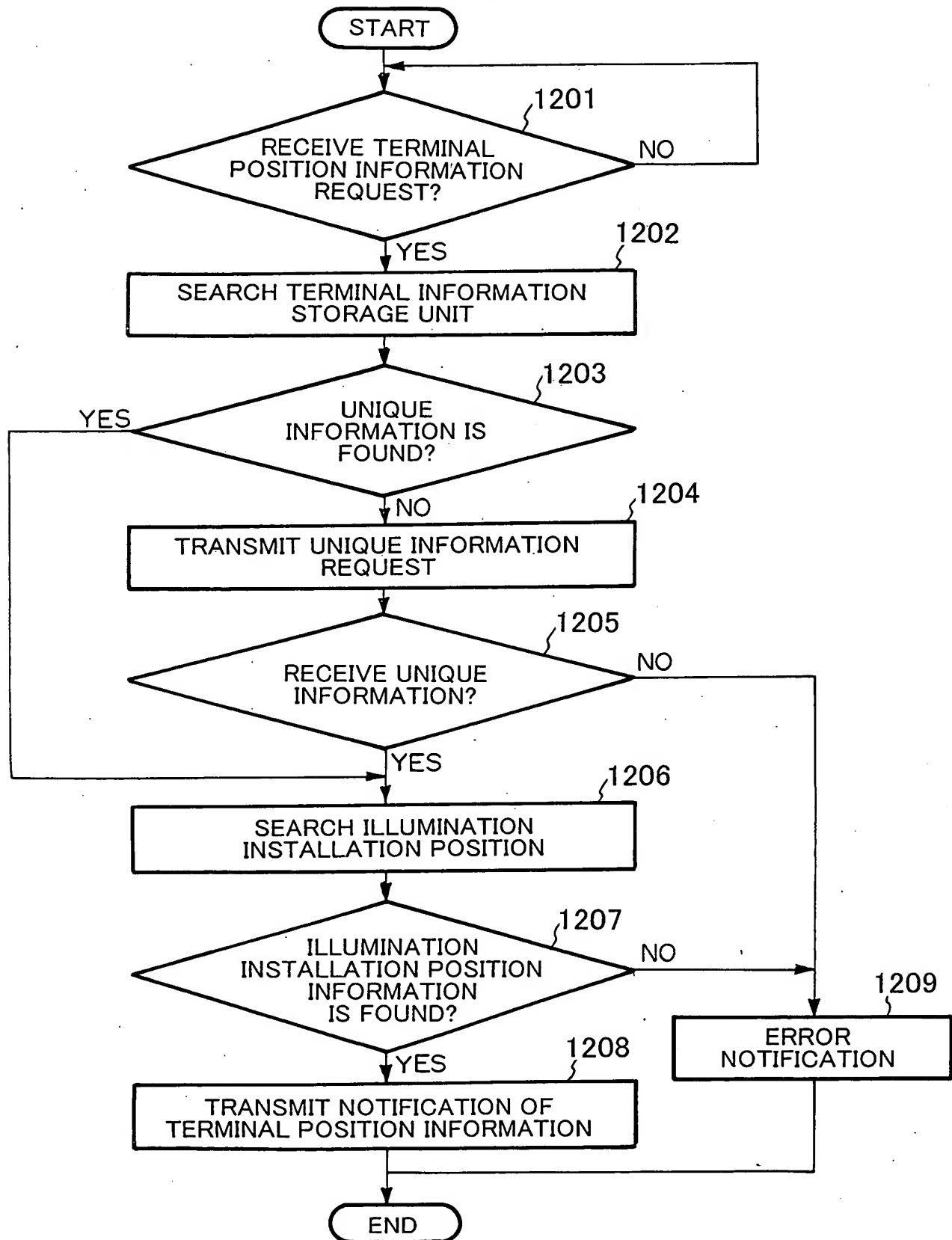


FIG.13

1301 TERMINAL ID	1302 UNIQUE INFORMATION	1303 RECEPTION TIME
ID 1	ILLUMINATION ID 10	2003/10/01 15:10:53
ID 2	ILLUMINATION ID 06	2003/10/01 15:12:10
⋮	⋮	⋮

FIG.14

1401 UNIQUE INFORMATION	1402 LOGICAL INFORMATION	1403 COORDINATE INFORMATION	1404 AREA INFORMATION
ILLUMINATION ID 10	FIRST MEETING ROOM	X=10, Y=20, Z=2	10m
ILLUMINATION ID 06	LOBBY	X=20, Y=10, Z=1	5m
⋮	⋮	⋮	⋮

FIG. 15

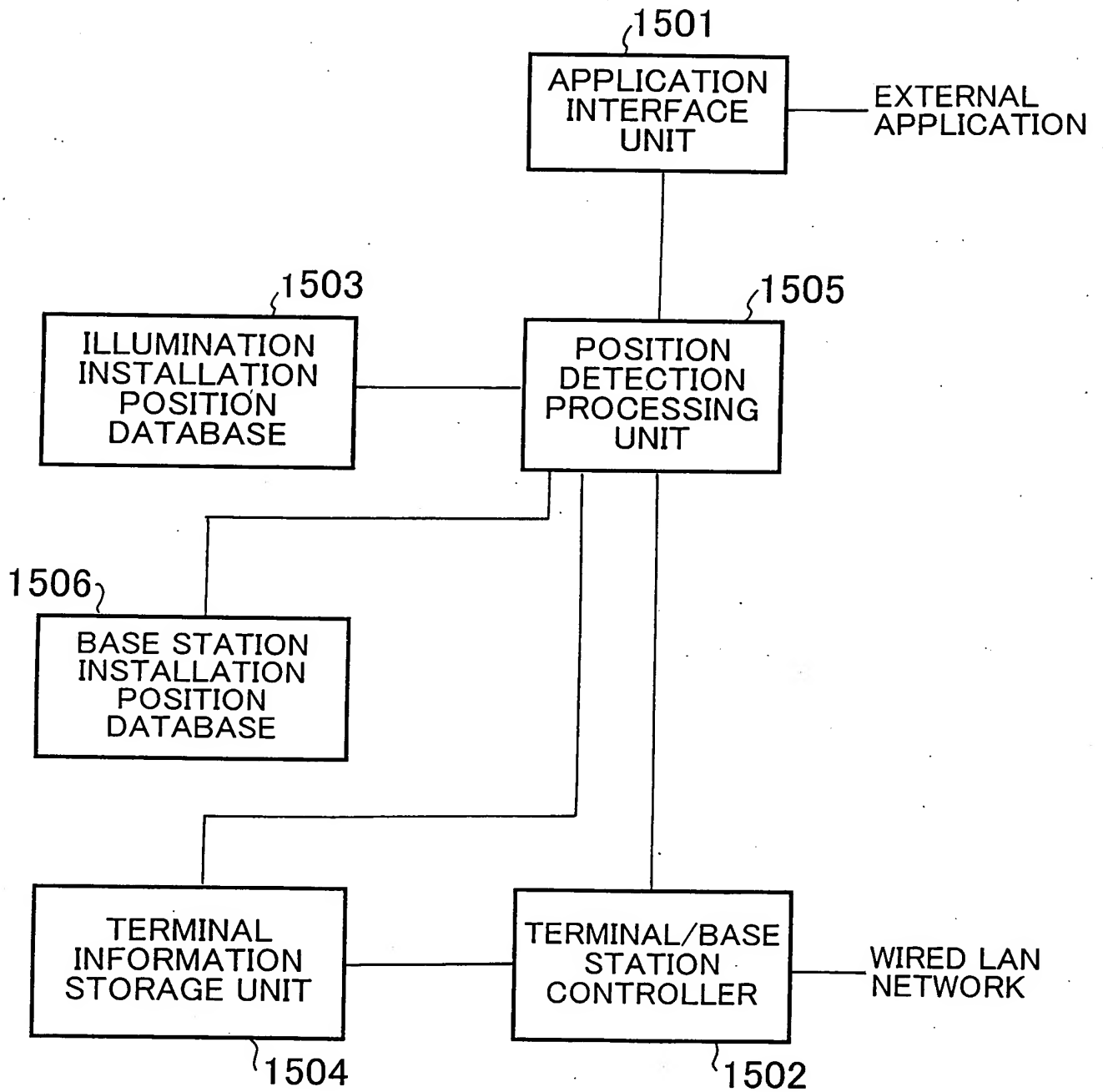


FIG.16

1301 TERMINAL ID	1302 UNIQUE INFORMATION	1303 RECEPTION TIME	1601 BASE STATION ID	1602 CONNECTION TIME
ID 1	ILLUMINATION ID 10	2003/10/01 15:10:53	BASE STATION ID 10	2003/10/01 15:00:05
ID 2	ILLUMINATION ID 06	2003/10/01 15:12:10	BASE STATION ID 06	2003/10/01 15:02:20
.

FIG.17

BASE STATION ID	LOGICAL INFORMATION	COORDINATE INFORMATION	AREA INFORMATION
BASE STATION ID 10	FIRST MEETING ROOM	X=12, Y=22, Z=2	30m
BASE STATION ID 06	LOBBY	X=22, Y=11, Z=1	25m
.	.	.	.

12/53

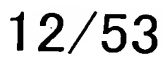


FIG.19

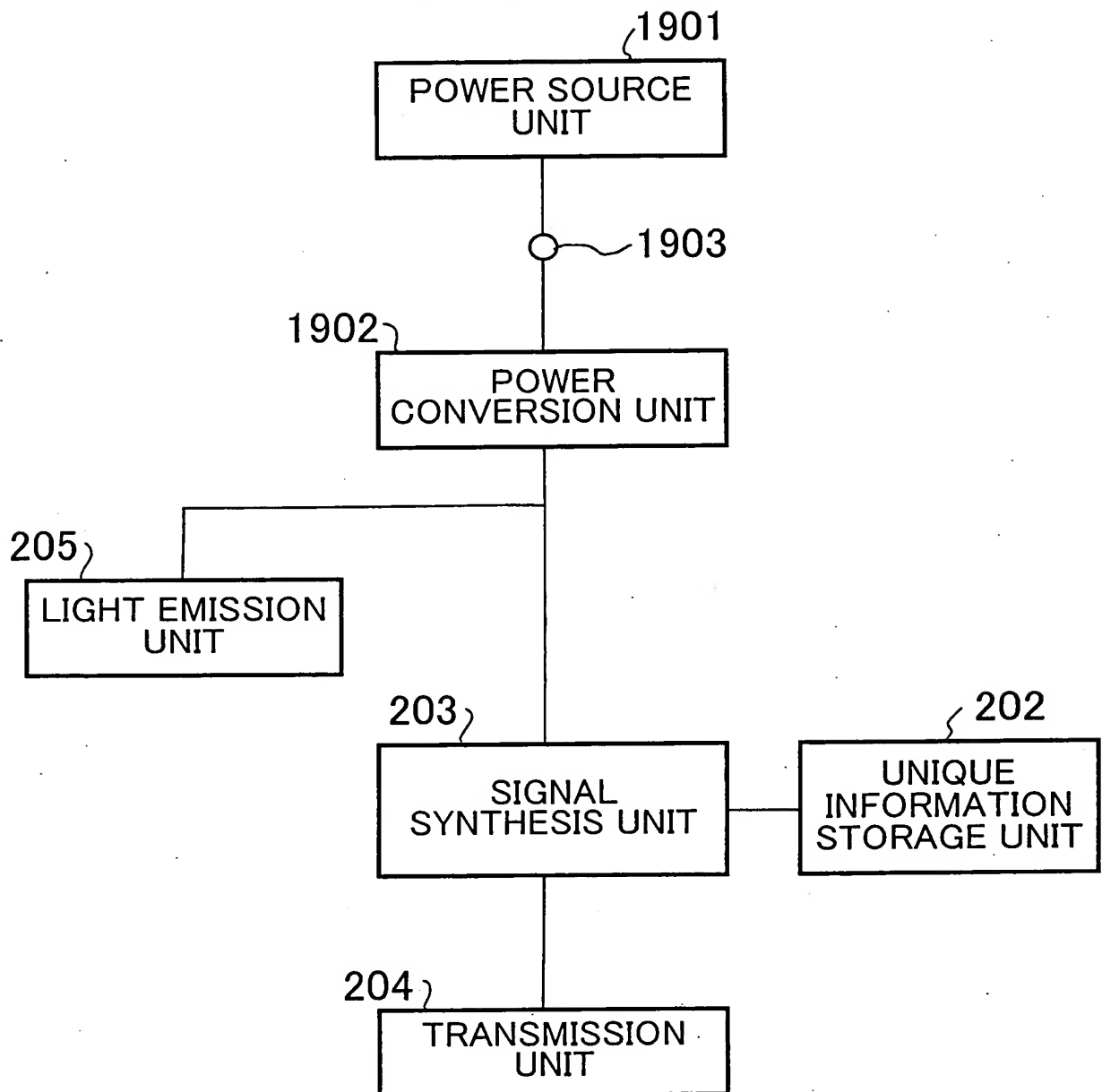


FIG.20

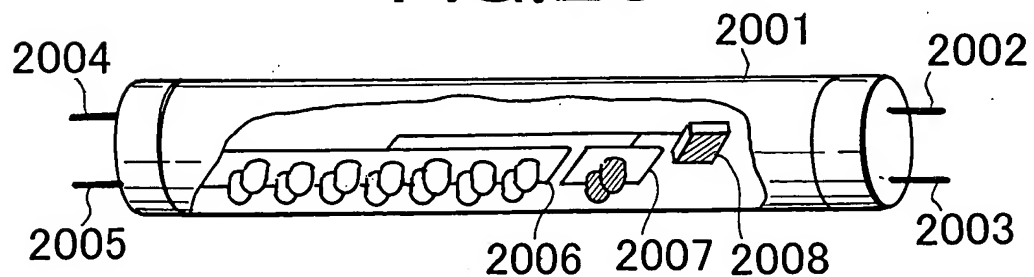


FIG.21

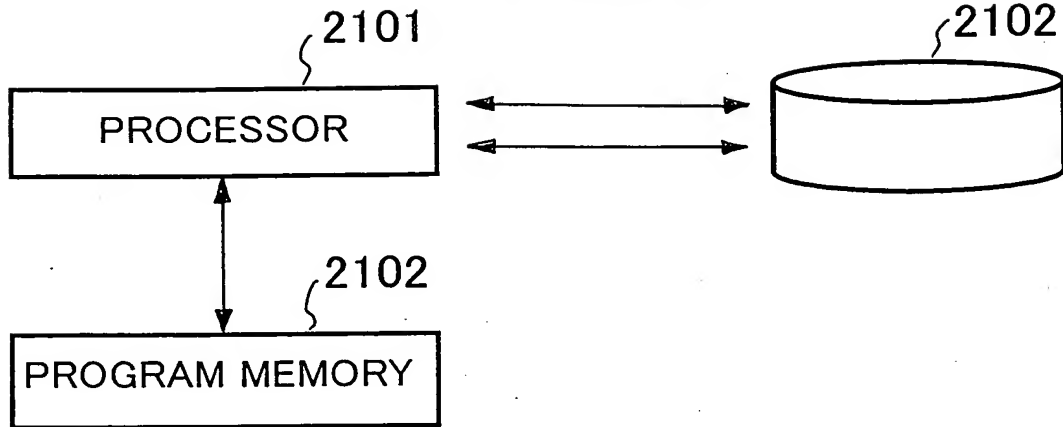


FIG.22

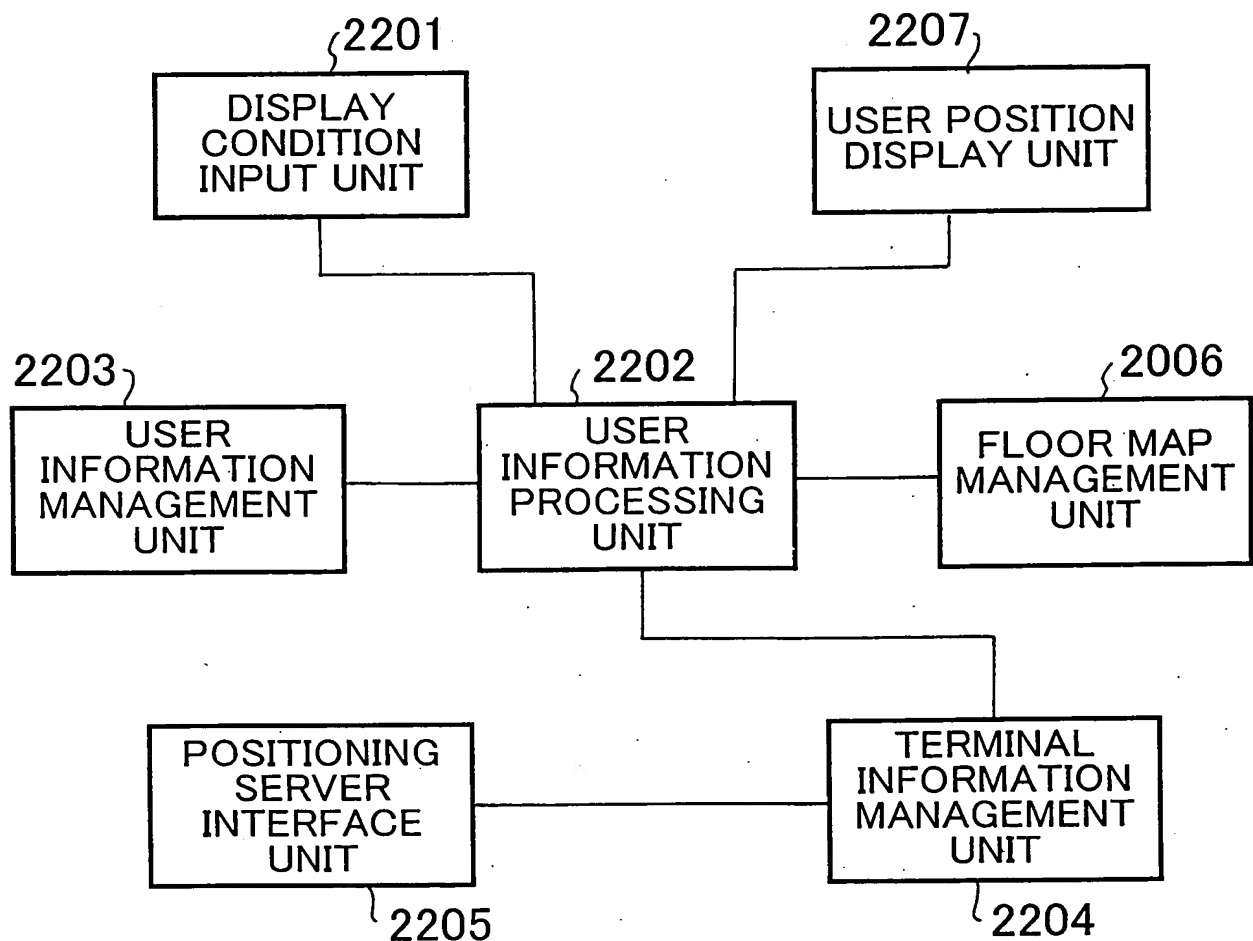


FIG.23

USER ID	USER NAME	DEPARTMENT NAME	USER TERMINAL INFORMATION	TERMINAL TYPE
tanaka_taro	TARO TANAKA	FIRST SALES DEPARTMENT	tanaka_pc	WIRELESS LAN
sato_jiro	JIRO SATO	FIRST SALES DEPARTMENT	sato_pc	WIRELESS LAN
			sato_pc2	WIRED LAN
suzuki_saburo	SABURO SUZUKI	SECOND SALES DEPARTMENT	suzuki_pc	WIRED LAN
yamada_siro	SHIRO YAMADA	FIRST SALES DEPARTMENT	yamada_pc	WIRELESS LAN

FIG.24

TERMINAL NAME	POSITION INFORMATION	POSITION ACCURACY	POSITION ACQUISITION TIME
tanaka_pc	F=2, X=10, Y=30	10m	2003/1/10 17:20
sato_pc	F=2, X=10, Y=20	3m	2003/1/10 17:15
sato_pc2	F=1, X=20, Y=10	1m	2003/1/10 16:00
suzuki_pc	F=2, X=20, Y=20	1m	2003/1/10 17:00
yamada_pc	F=1, X=10, Y=10	10m	2003/1/9 12:00

FIG.25

FLOOR NAME	FILE NAME	FLOOR ID	AREA INFORMATION
FIRST FLOOR	1Fmap.jpg	F=1	X1=0, Y1=0, X1=50, Y2=50
SECOND FLOOR	2Fmap.jpg	F=2	X1=0, Y1=0, X1=50, Y2=50
THIRD FLOOR	3Fmap.jpg	F=3	X1=0, Y1=0, X1=50, Y2=40
FOURTH FLOOR	4Fmap.jpg	F=4	X1=20, Y1=0, X1=50, Y2=40
FIFTH FLOOR	5Fmap.jpg	F=5	X1=20, Y1=0, X1=50, Y2=40

FIG.26

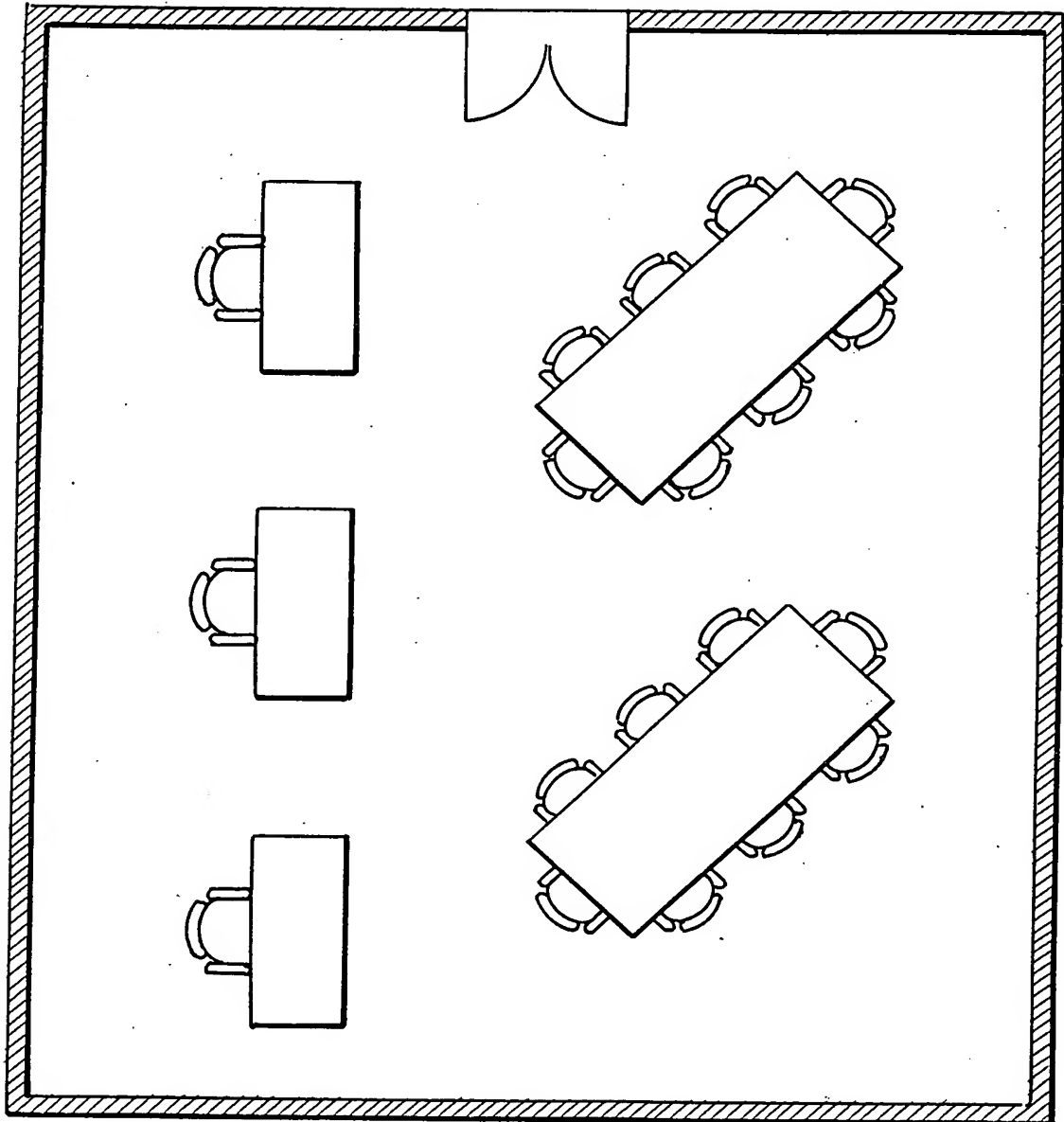


FIG.27

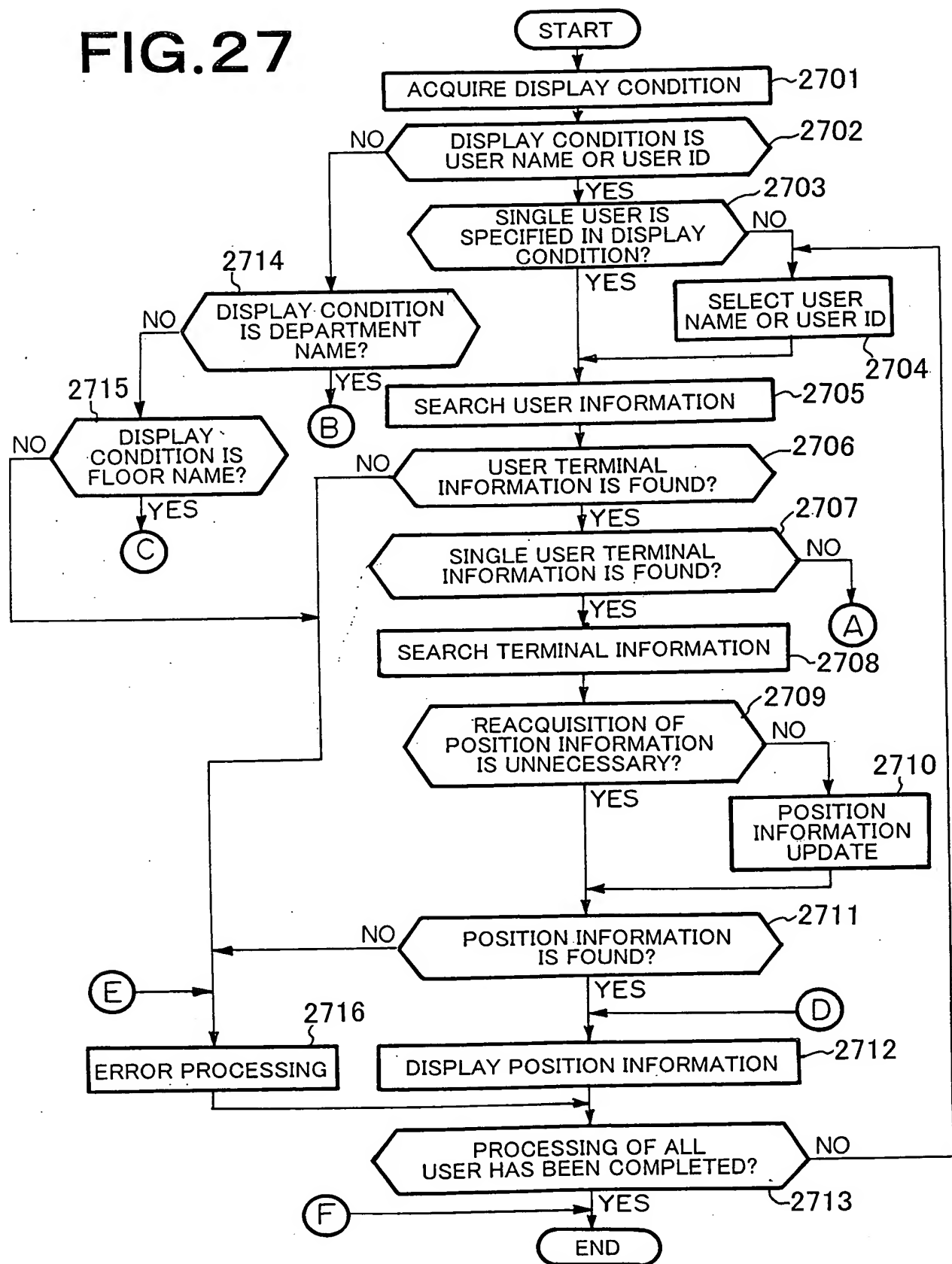


FIG.28

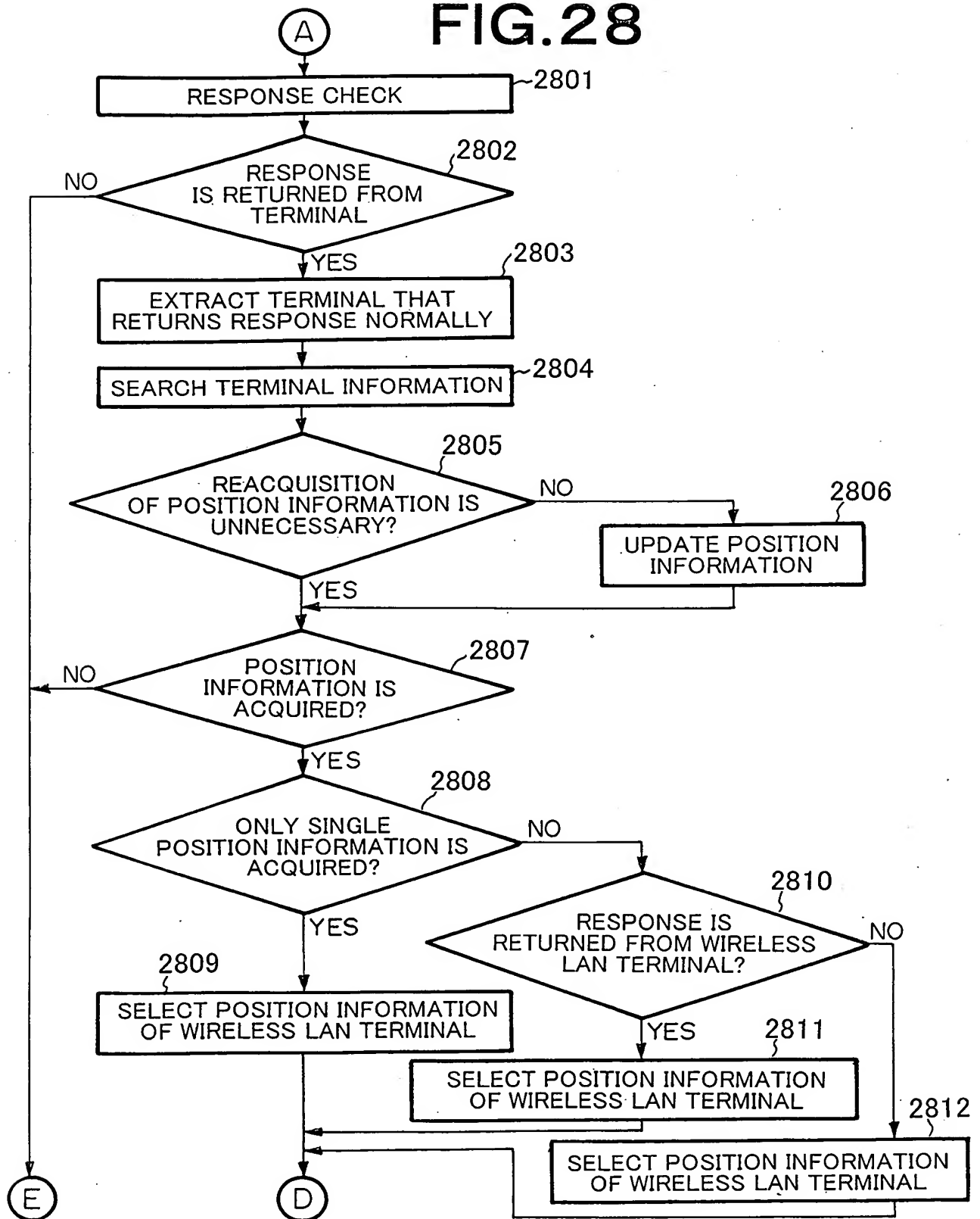


FIG.29

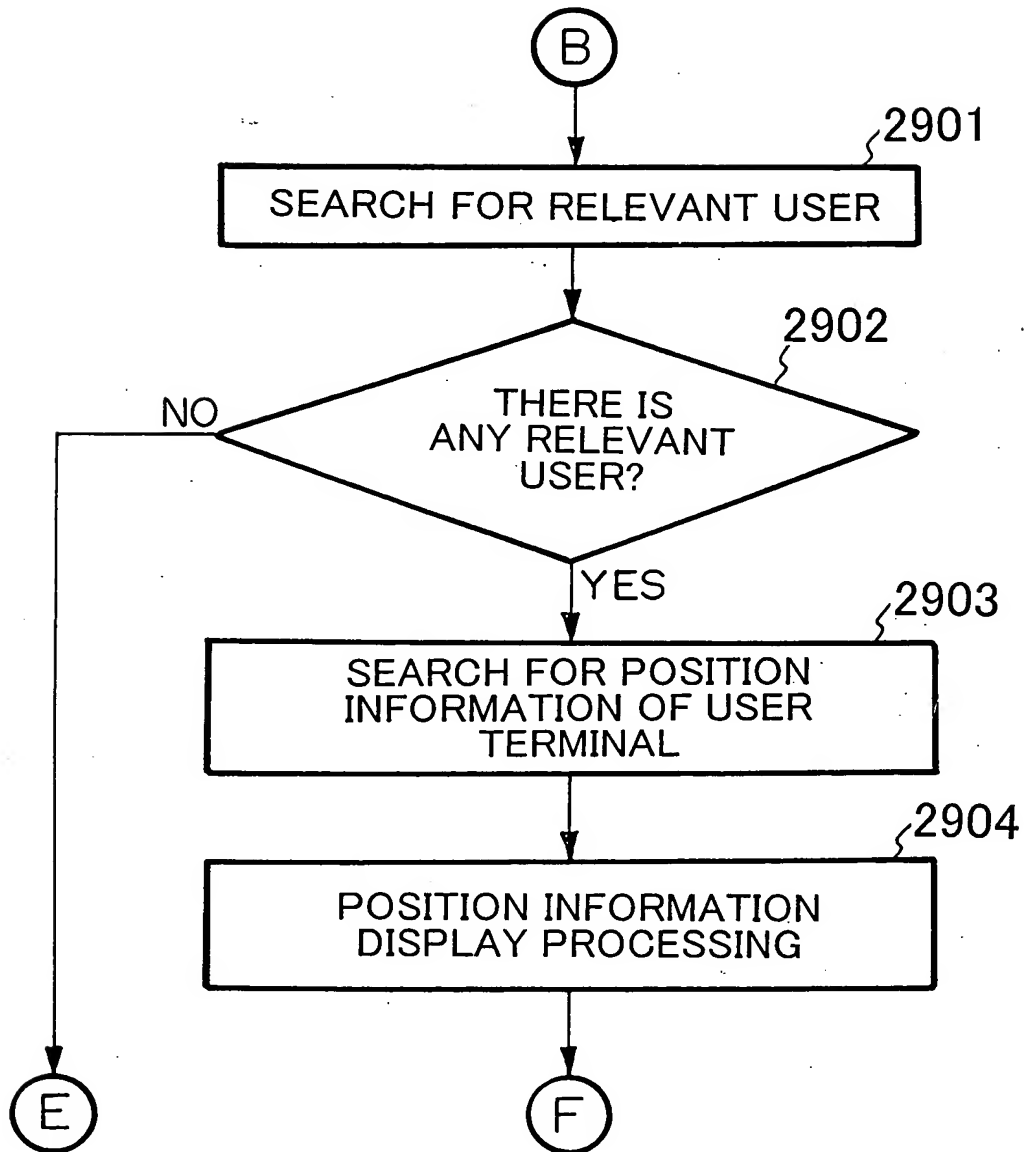


FIG.30

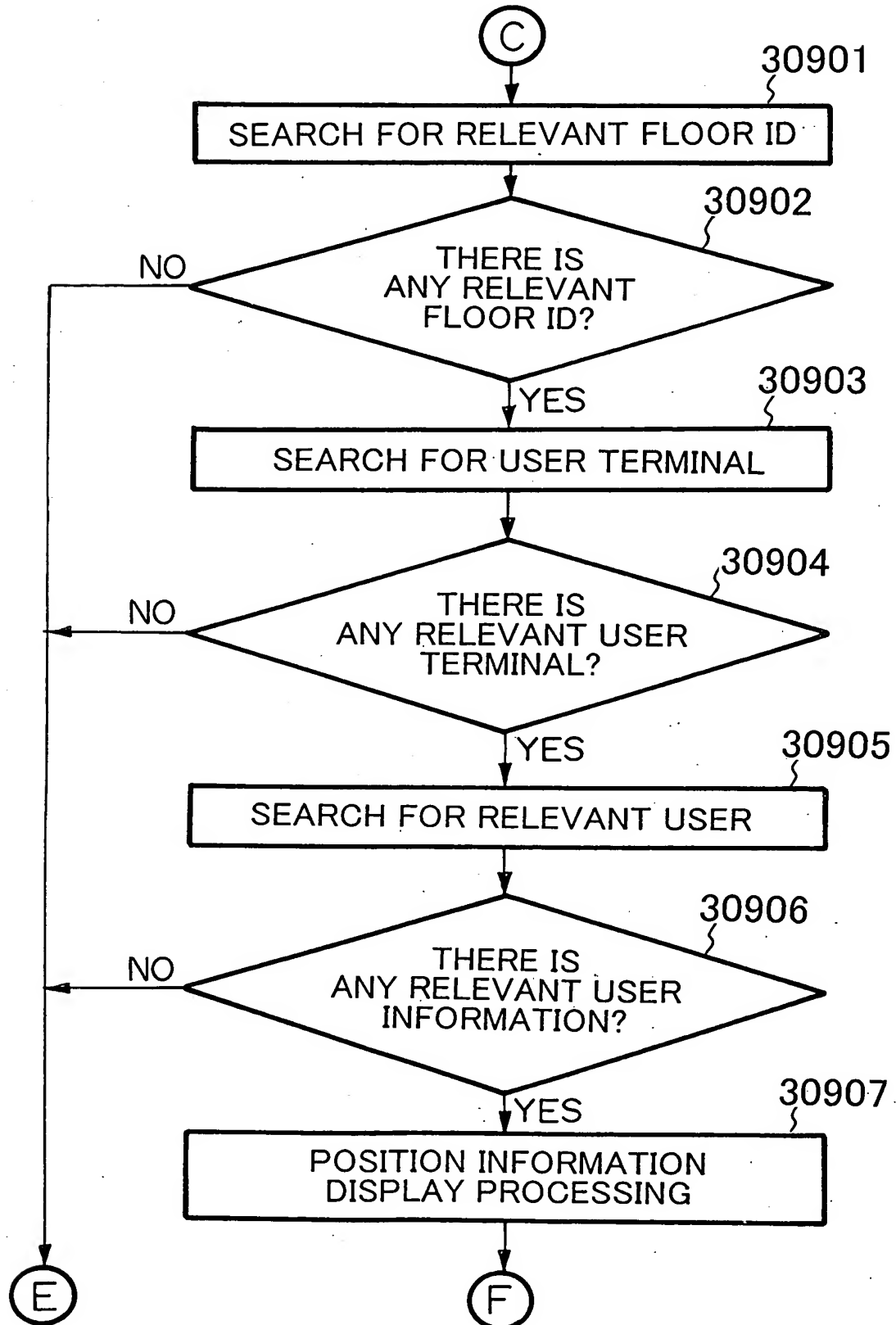


FIG.31

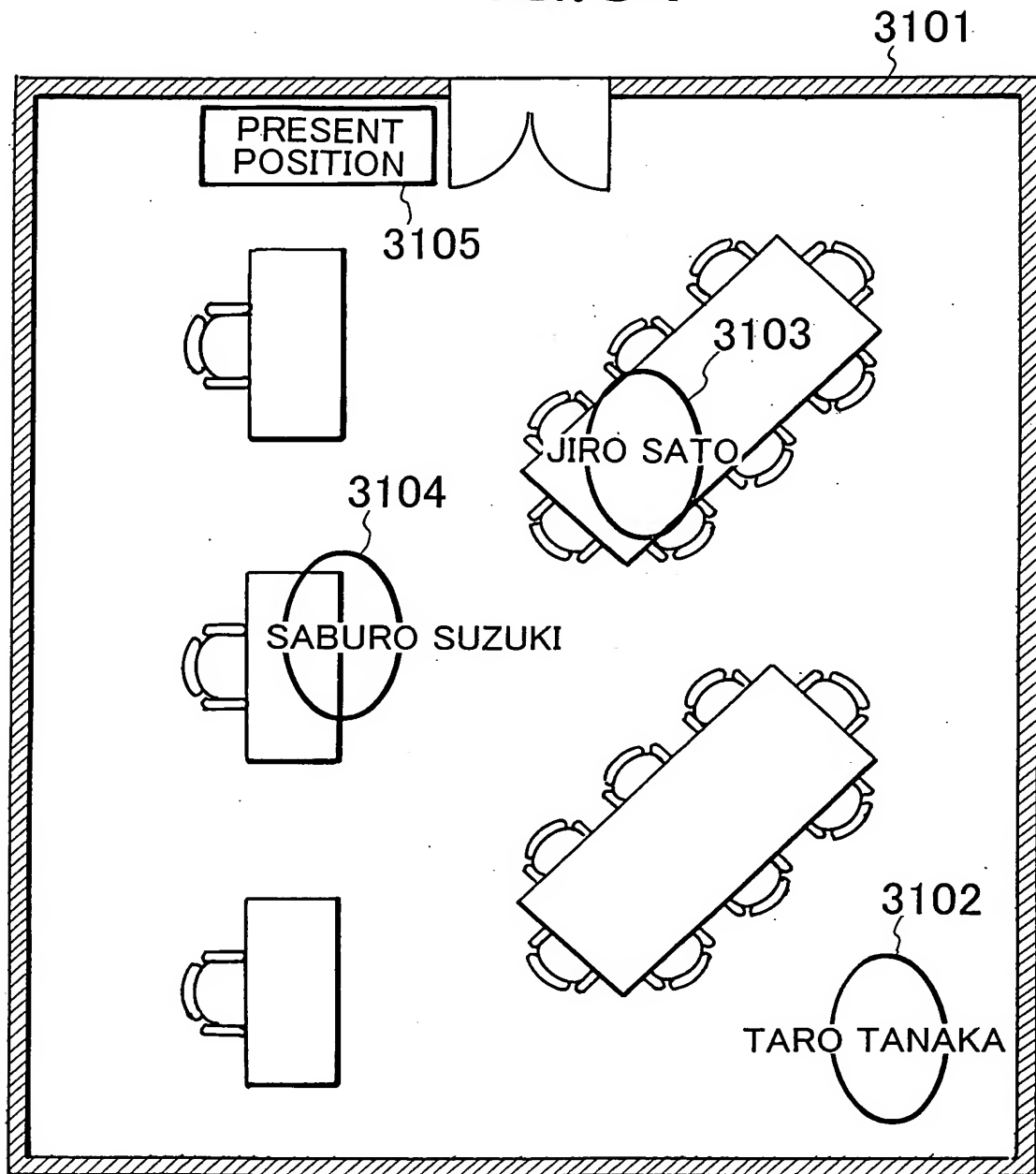


FIG.32

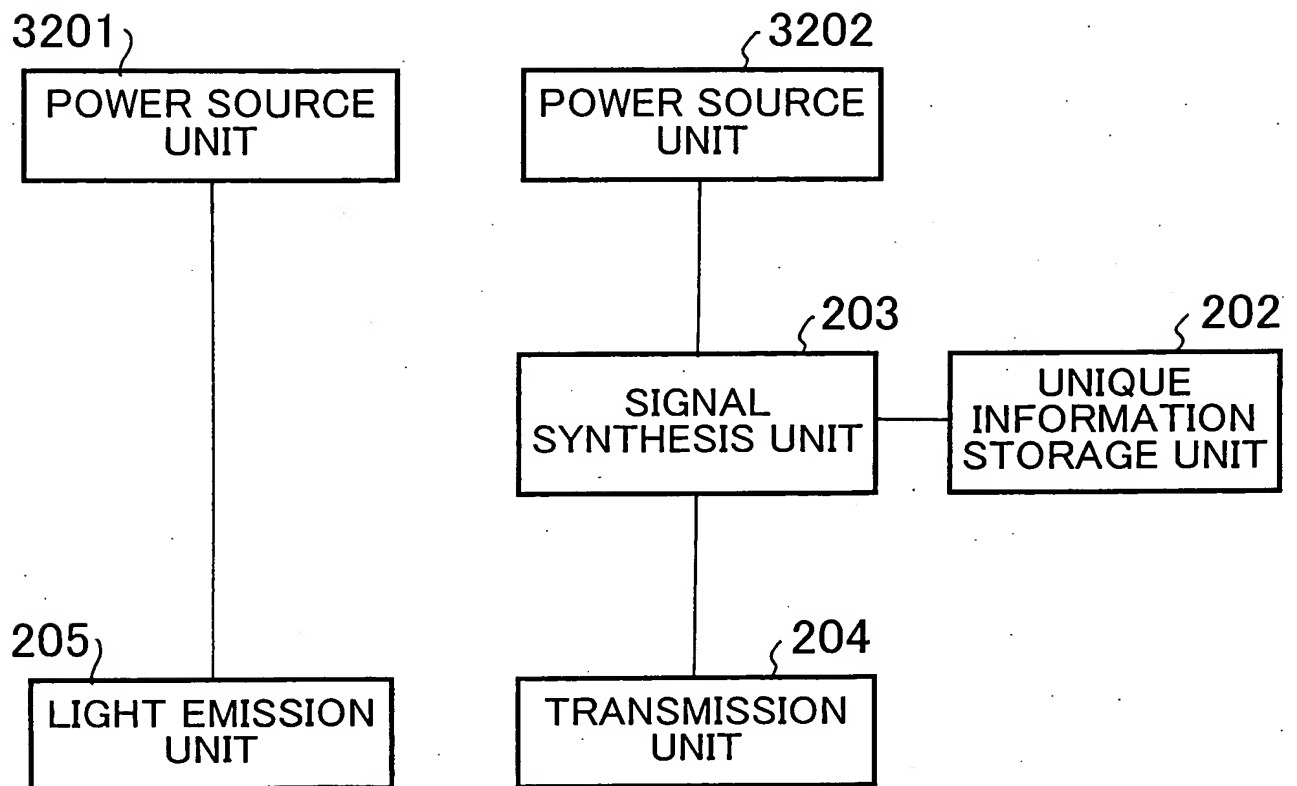


FIG. 33

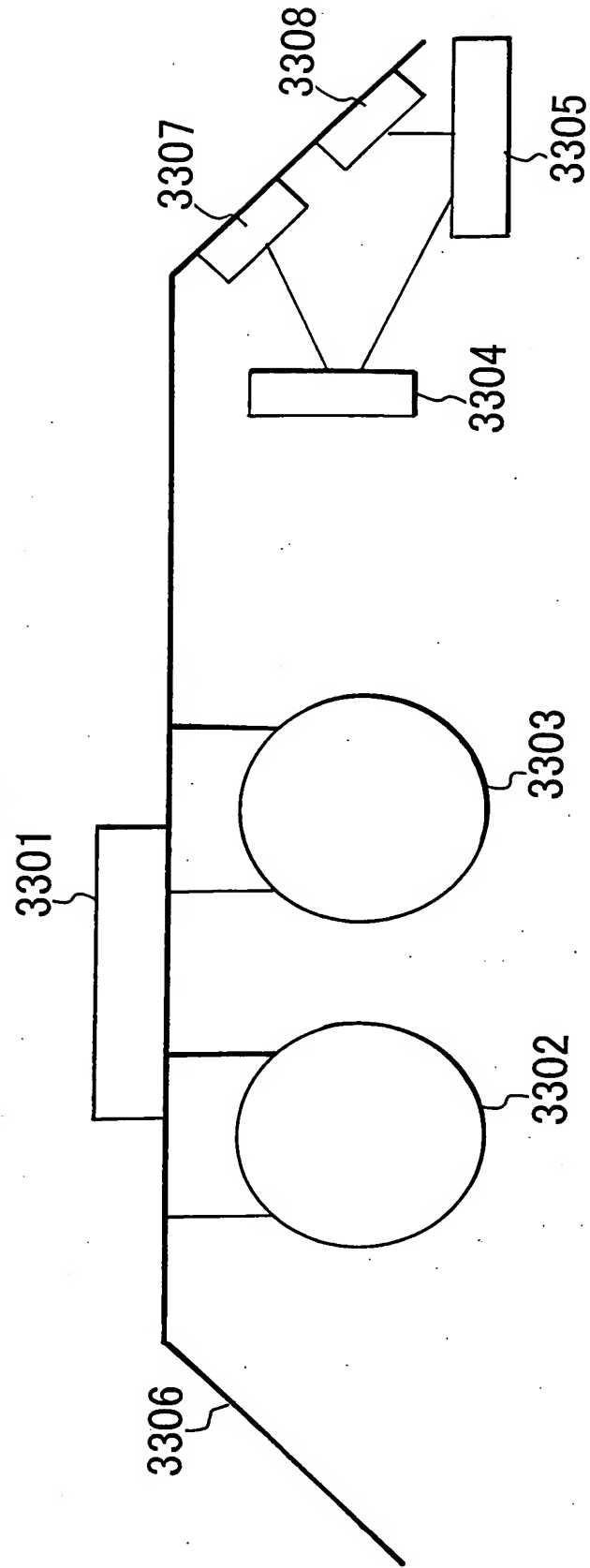


FIG.34

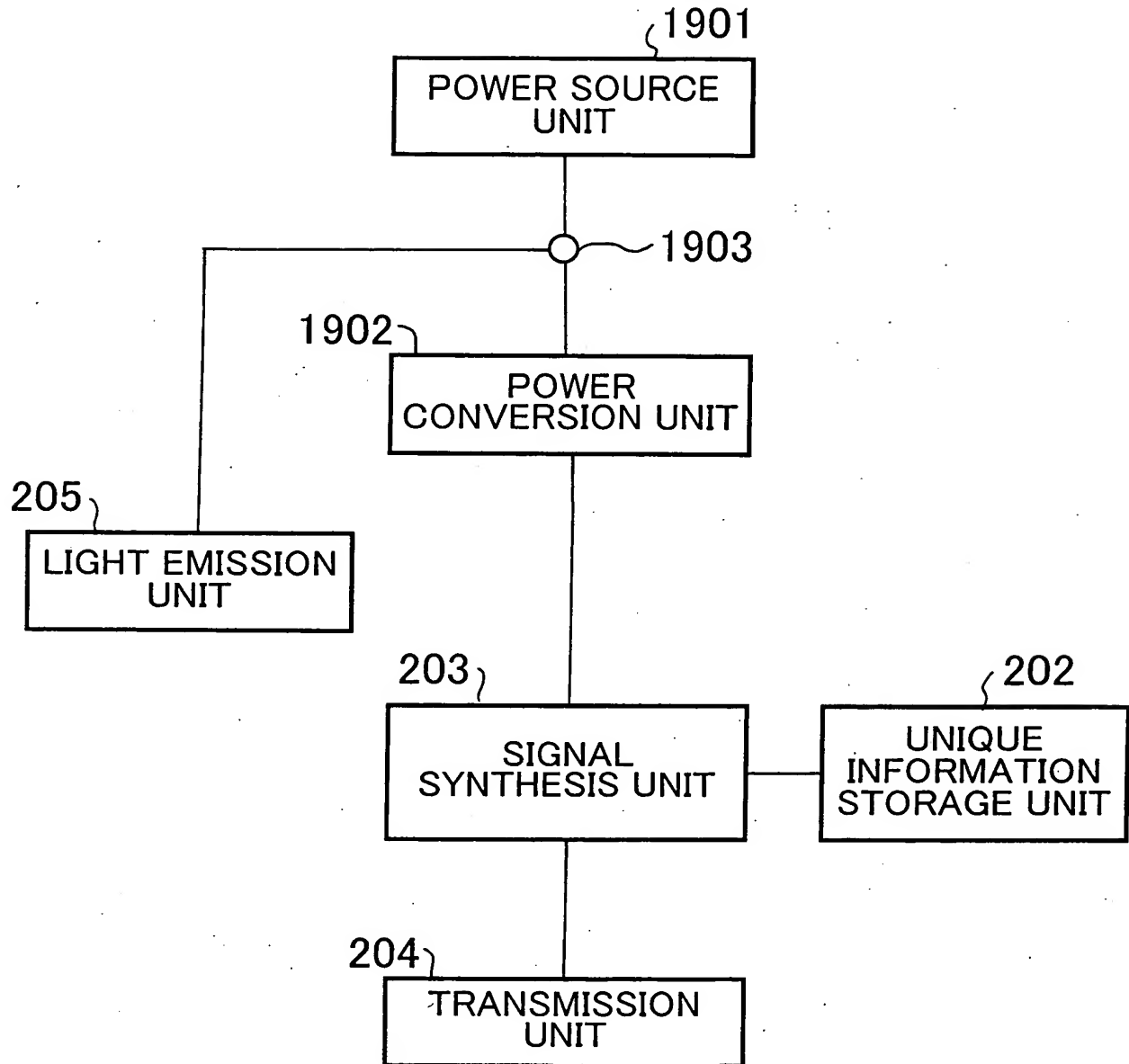


FIG.35

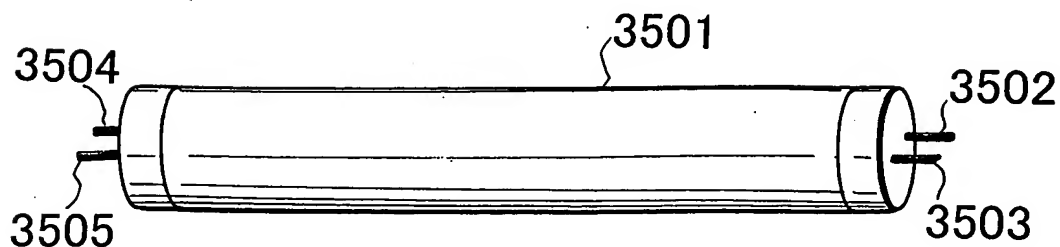


FIG.36

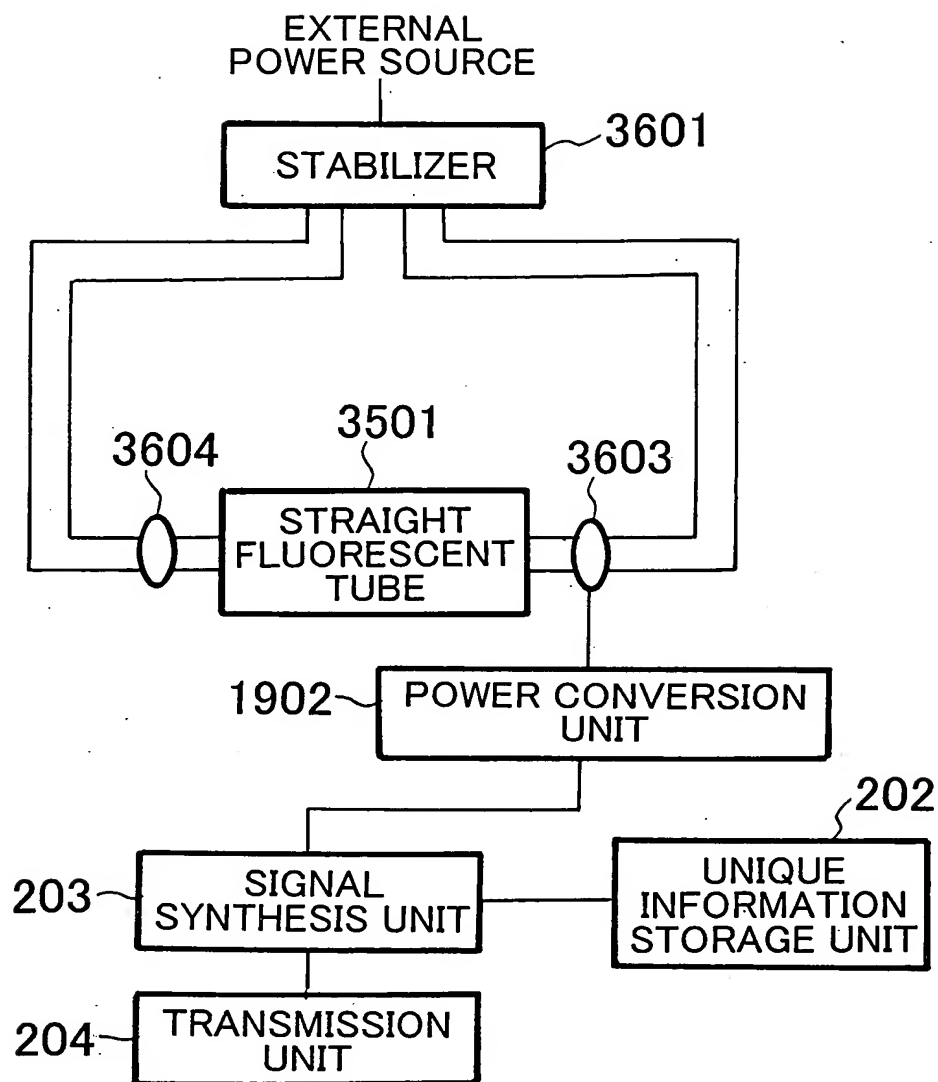


FIG.37

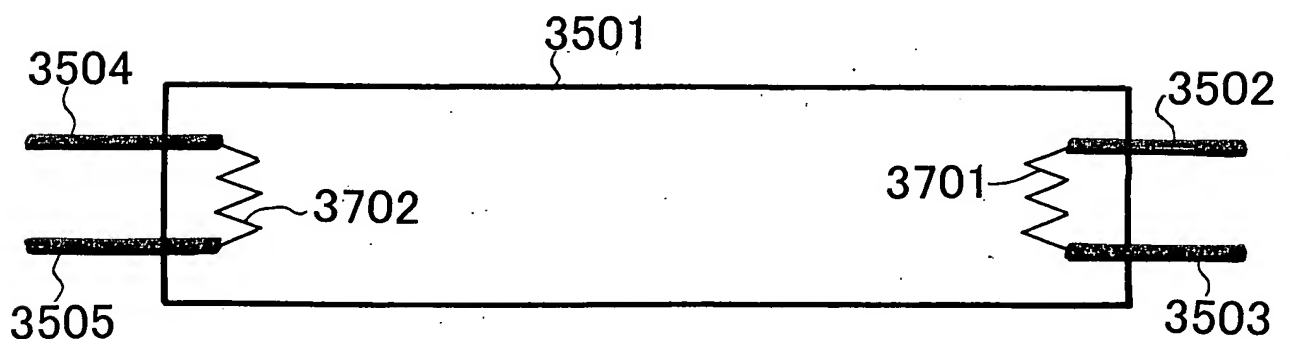


FIG.38

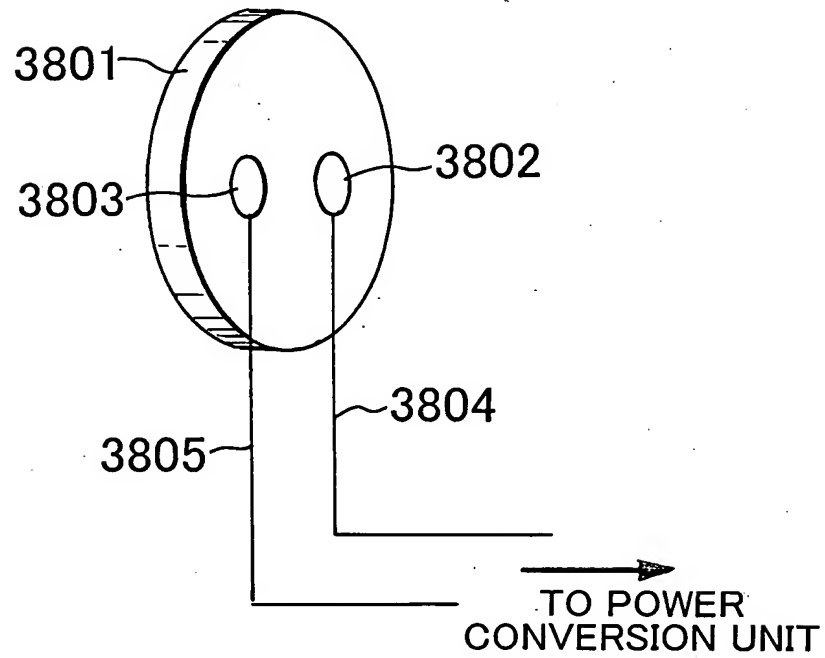


FIG.39

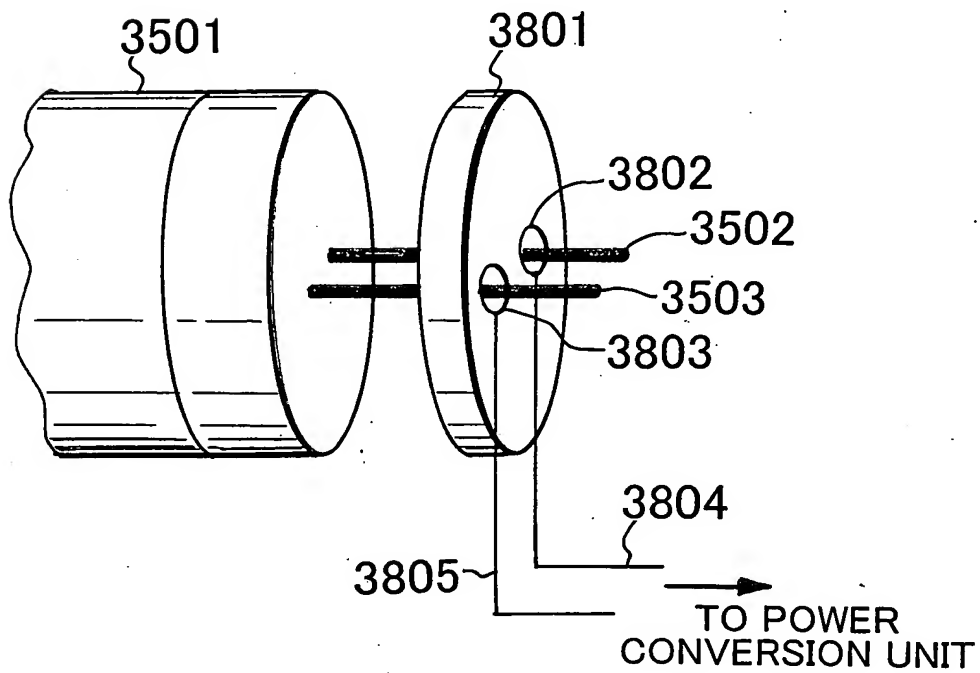


FIG.40

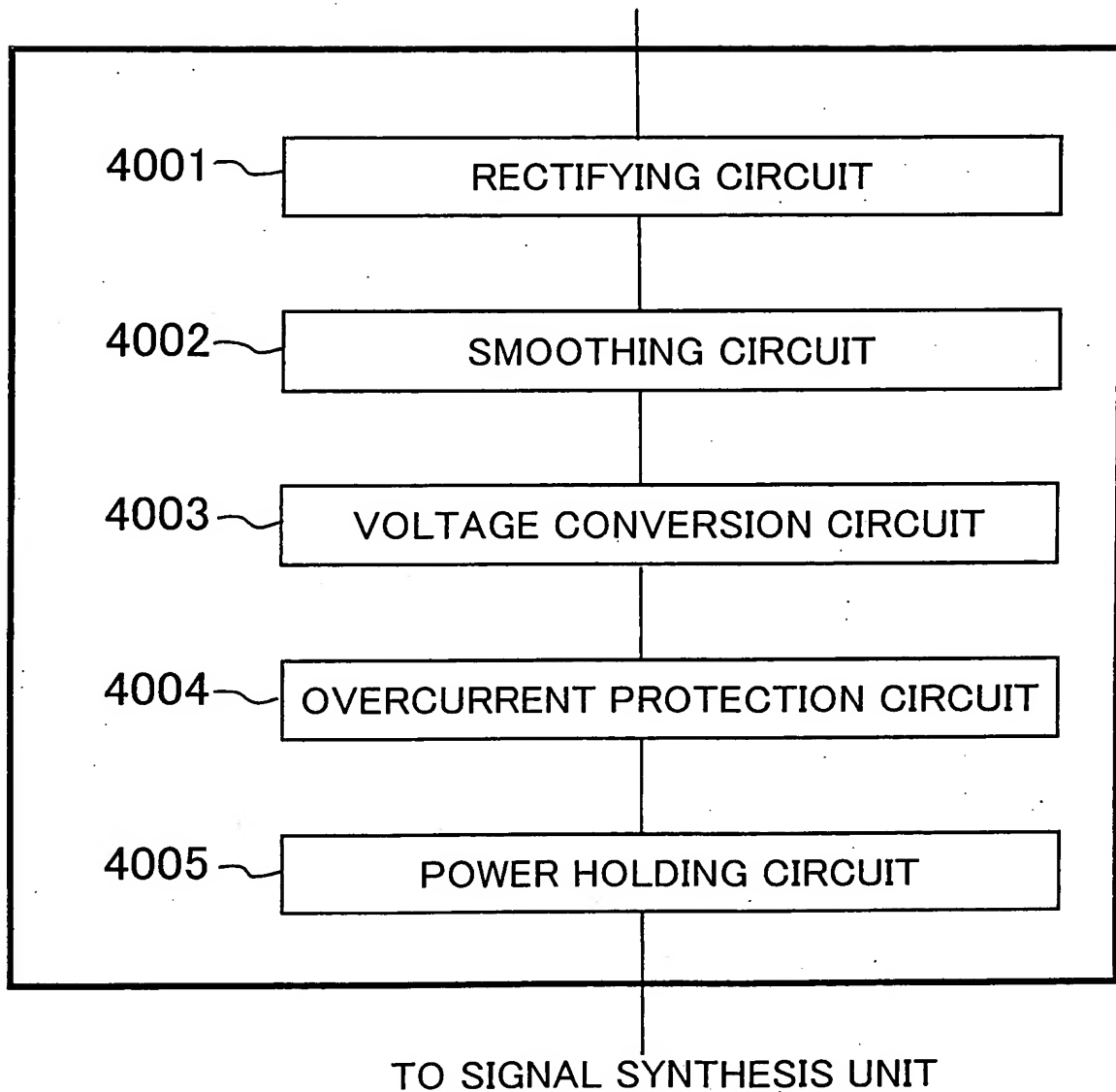


FIG.41

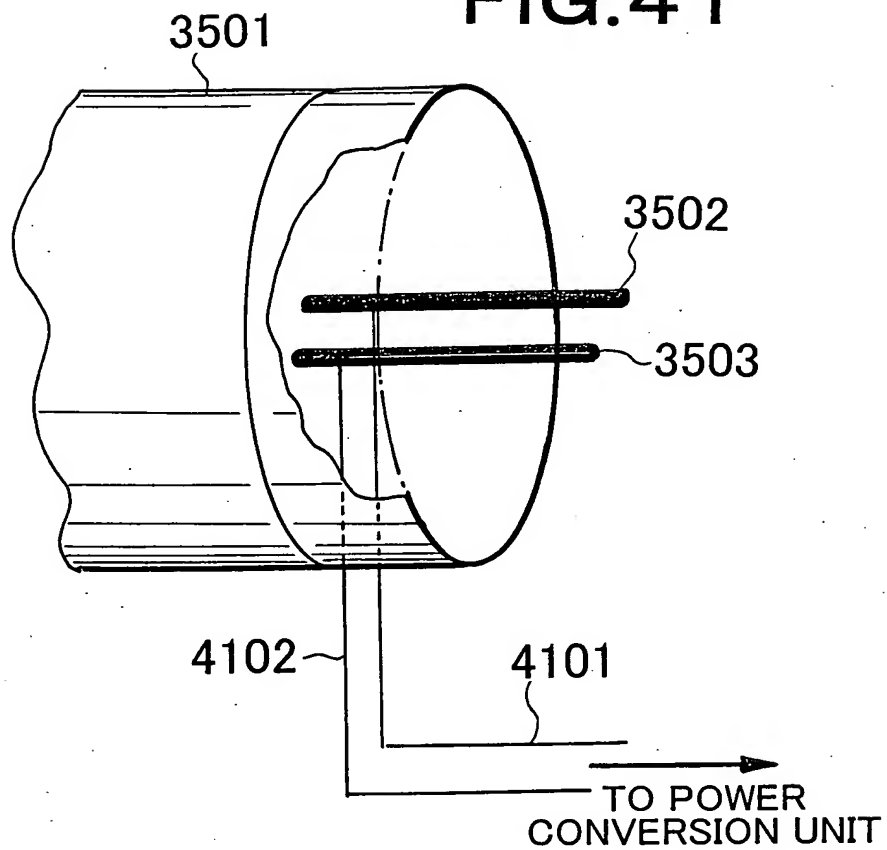


FIG.42

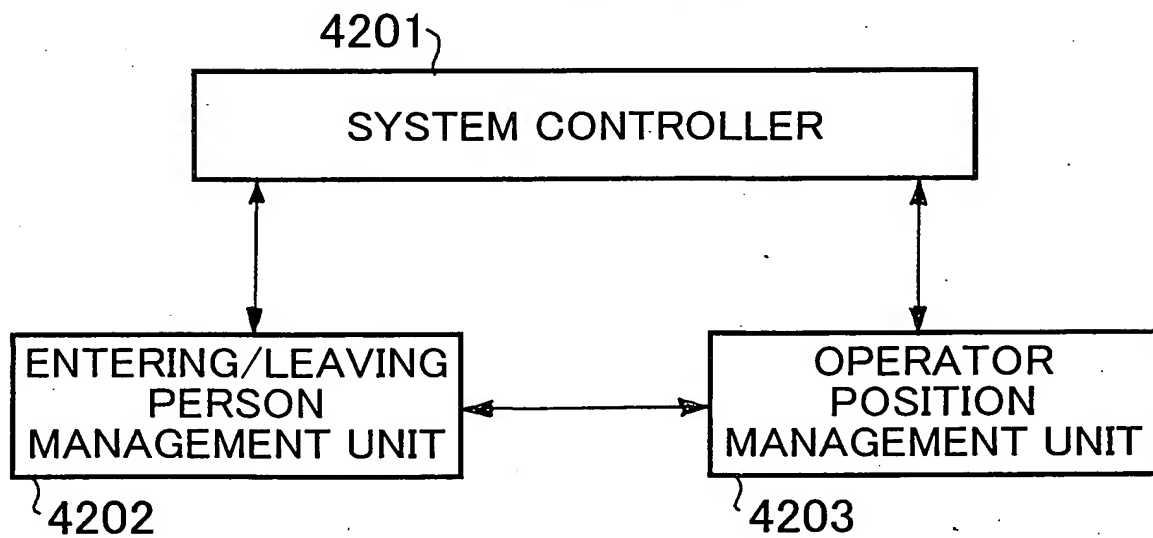
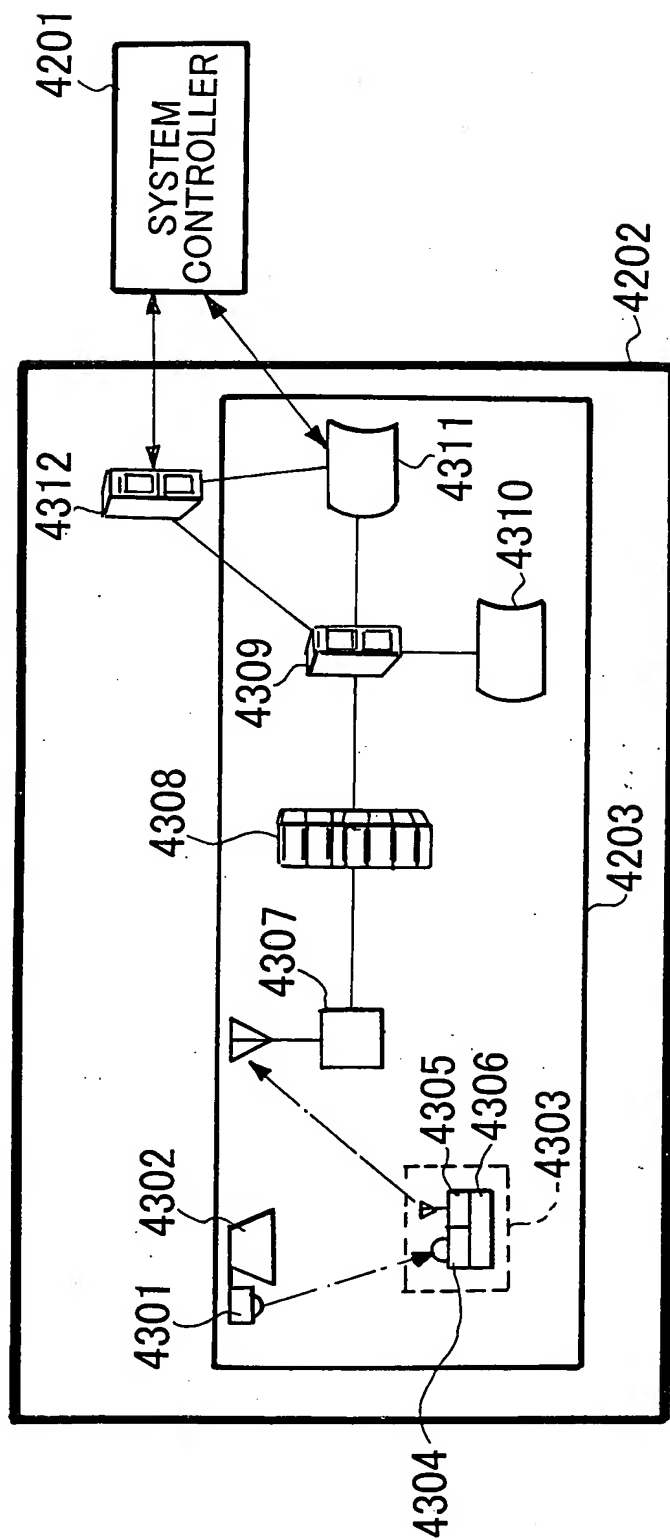


FIG. 43



4202: ENTERING/LEAVING PERSON MANAGEMENT UNIT

4203: OPERATOR POSITION MANAGEMENT UNIT

4301: TRANSMITTER

4302: ILLUMINATION DEVICE

4303: TERMINAL

4304: LIGHT SIGNAL DETECTION UNIT

4305: PHS TRANSMITTER

4306: OPERATION CONTROLLER

4307: PHS BASE STATION

4308: SWITCHING SYSTEM

4309: POSITIONING SERVER

4310: ILLUMINATION INSTALLATION POSITION INFORMATION DB

4311: TERMINAL POSITION INFORMATION DB

4312: ENTERING/LEAVING PERSON MANAGEMENT SERVER

FIG.44

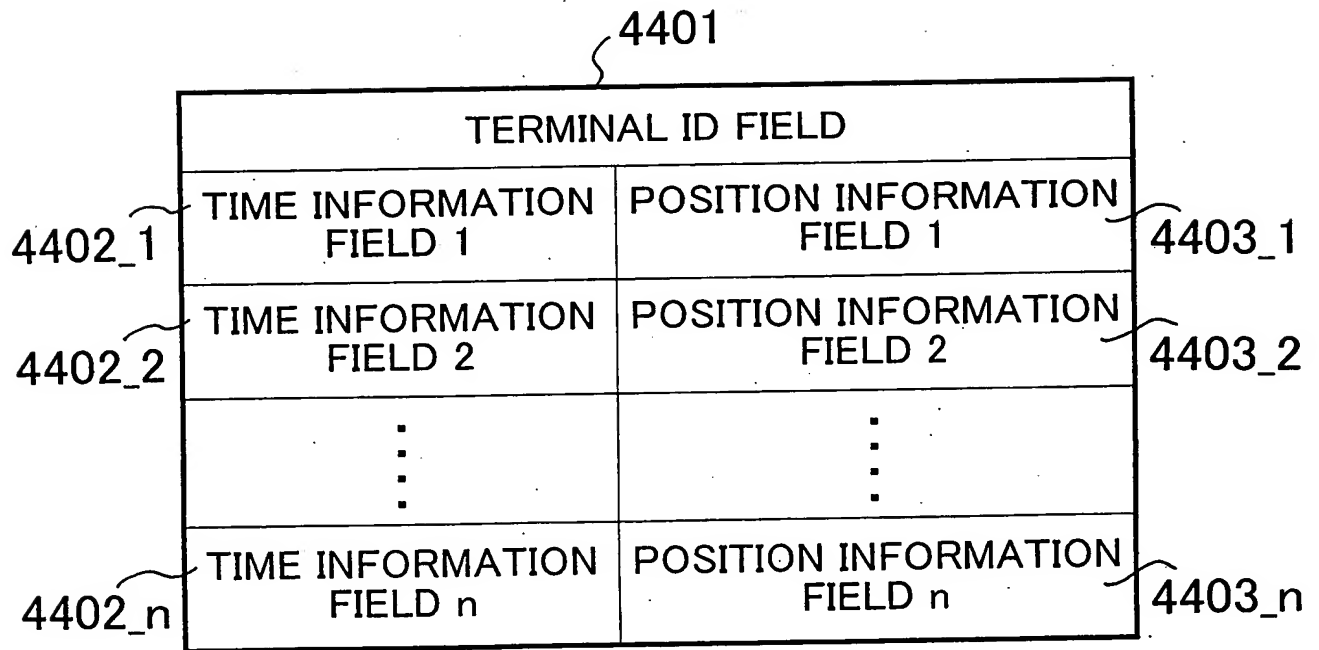


FIG. 45

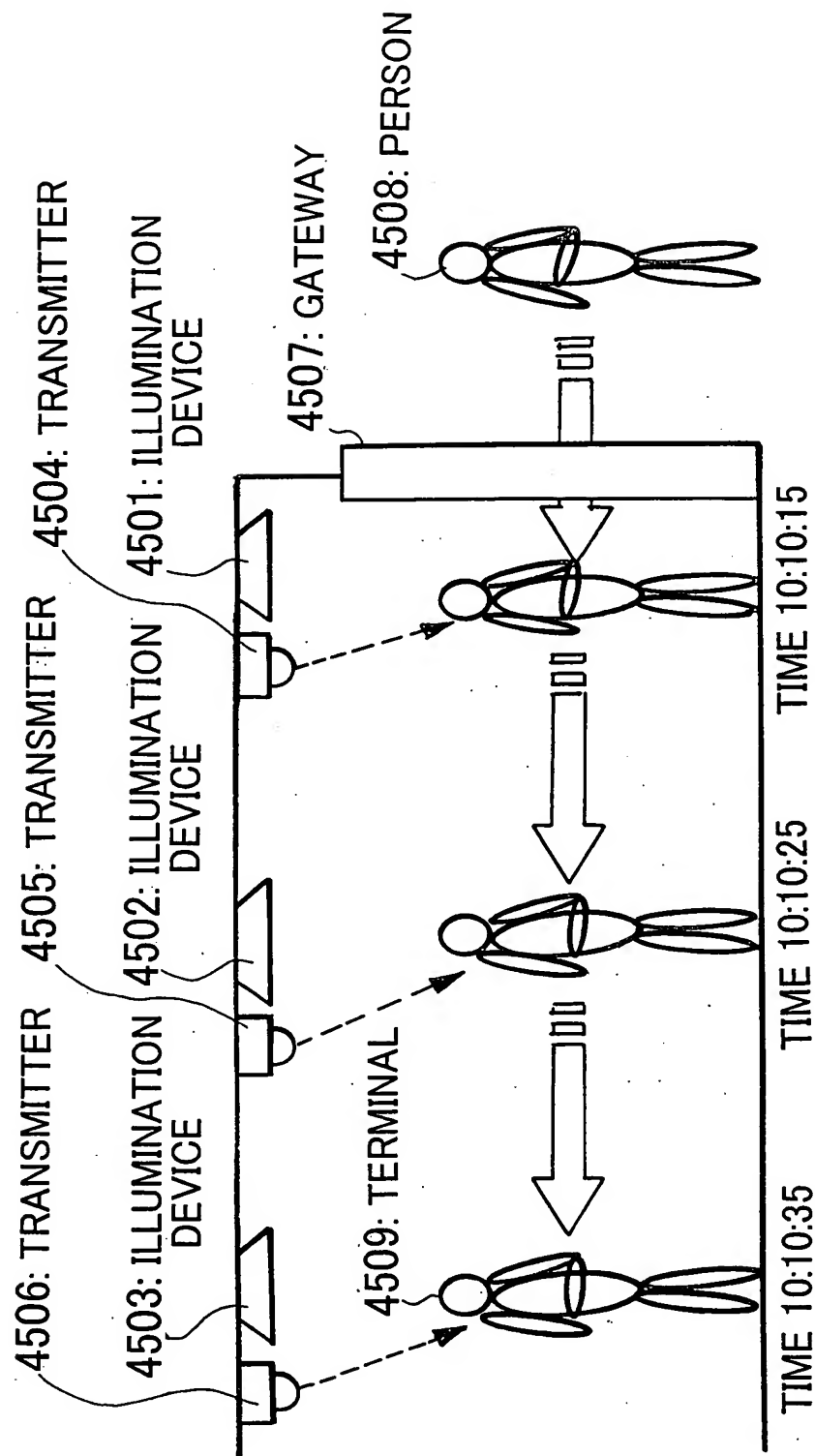


FIG. 46

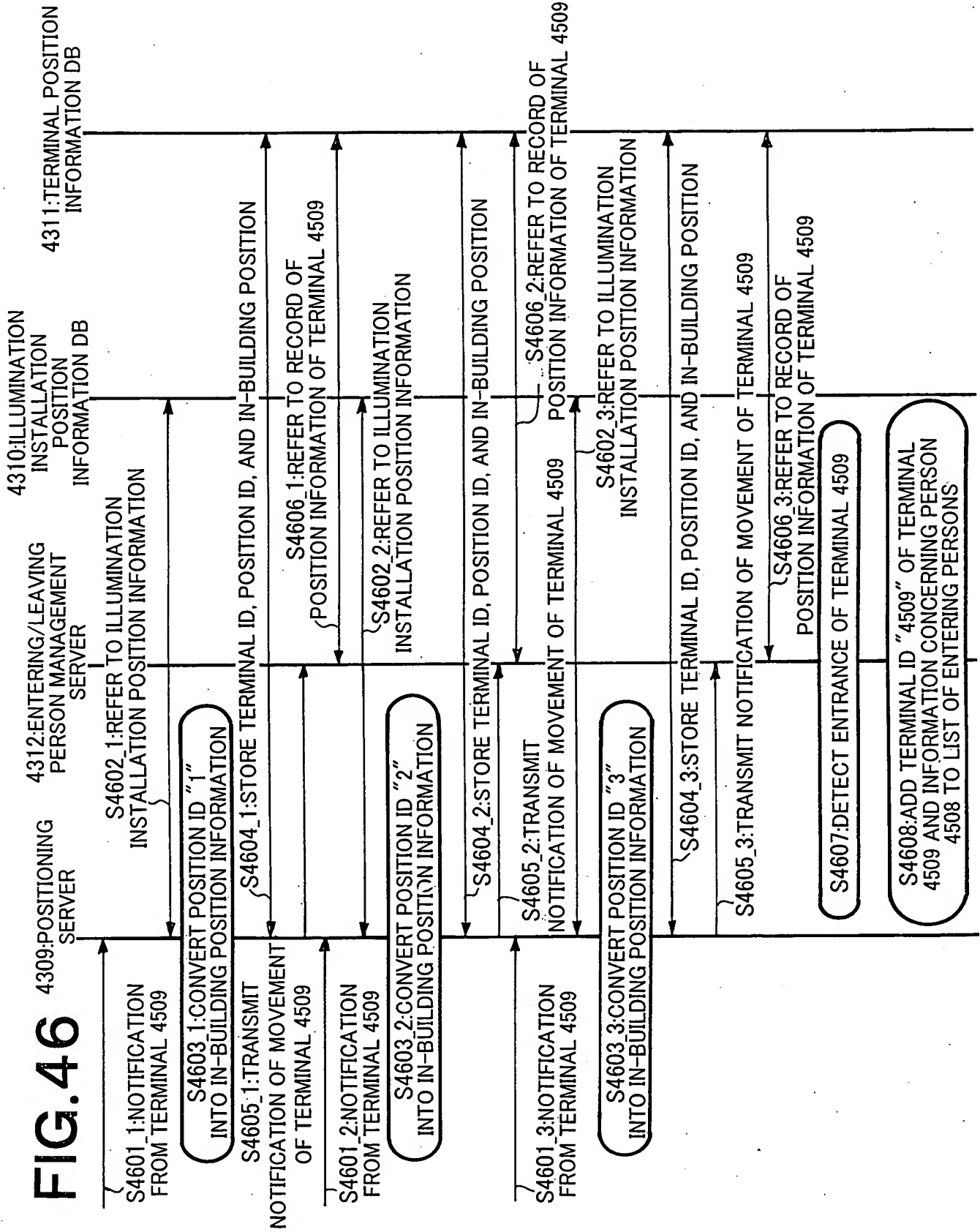


FIG.47

4701

TERMINAL ID "4509"		
4702_1	10:10:15	POSITION ID "1", JUST NEAR GATEWAY 4507 4703_1
4702_2	10:10:25	POSITION ID "2", 5 m FROM GATEWAY 4507 4703_2
4702_3	10:10:35	POSITION ID "3", 10 m FROM GATEWAY 4507 4703_3

FIG. 48

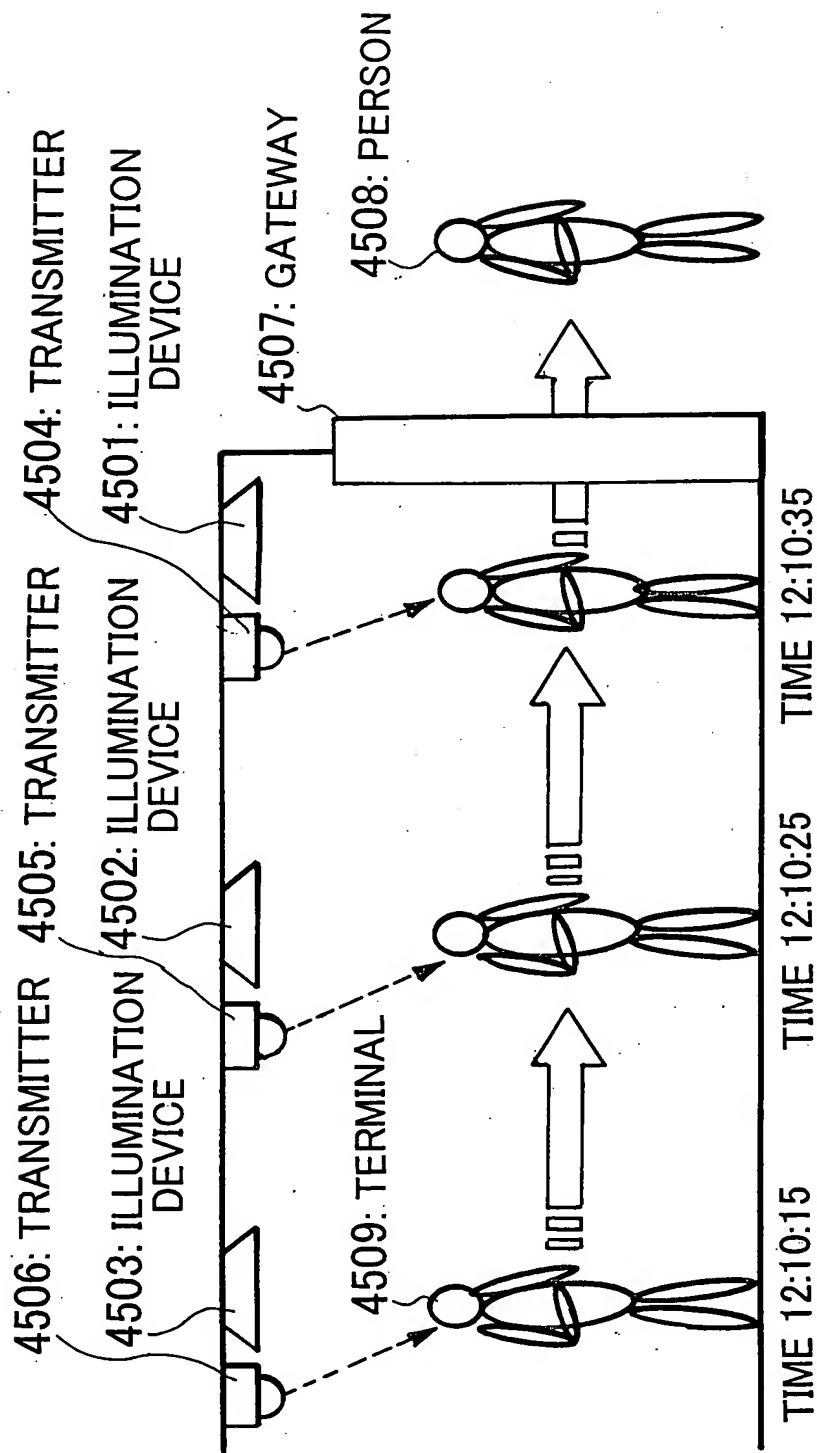


FIG. 49

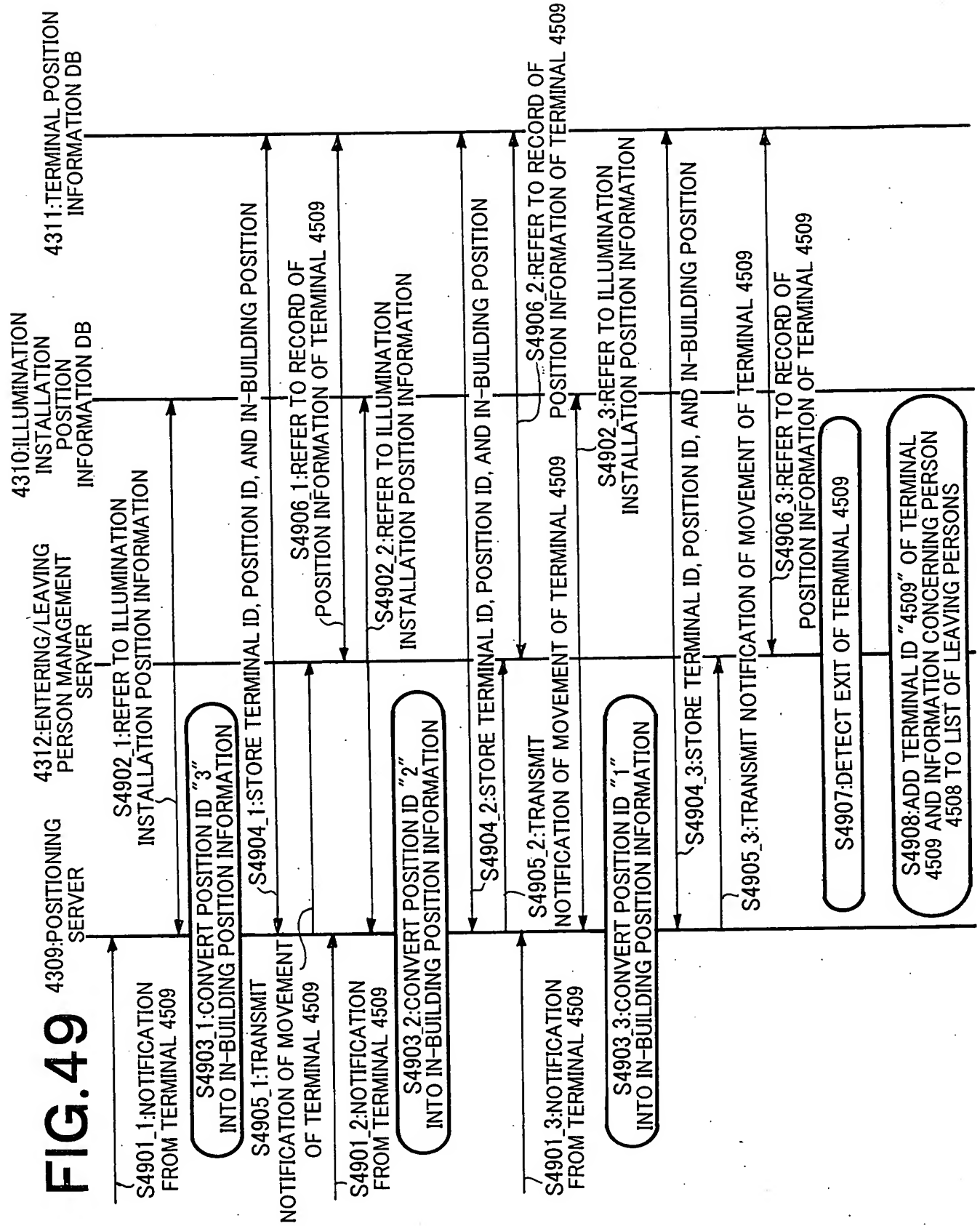


FIG.50

4701			
TERMINAL ID "4509"			
4702_1	10:10:15	POSITION ID "1", JUST NEAR GATEWAY 4507	4703_1
4702_2	10:10:25	POSITION ID "2", 5 m FROM GATEWAY 4507	4703_2
4702_3	10:10:35	POSITION ID "3", 10 m FROM GATEWAY 4507	4703_3
	⋮	⋮	
5002_1	12:10:15	POSITION ID "3", 10 m FROM GATEWAY 4507	5003_1
5002_2	12:10:25	POSITION ID "2", 5 m FROM GATEWAY 4507	5003_2
5002_3	12:10:35	POSITION ID "1", JUST NEAR GATEWAY 4507	5003_3

FIG. 51

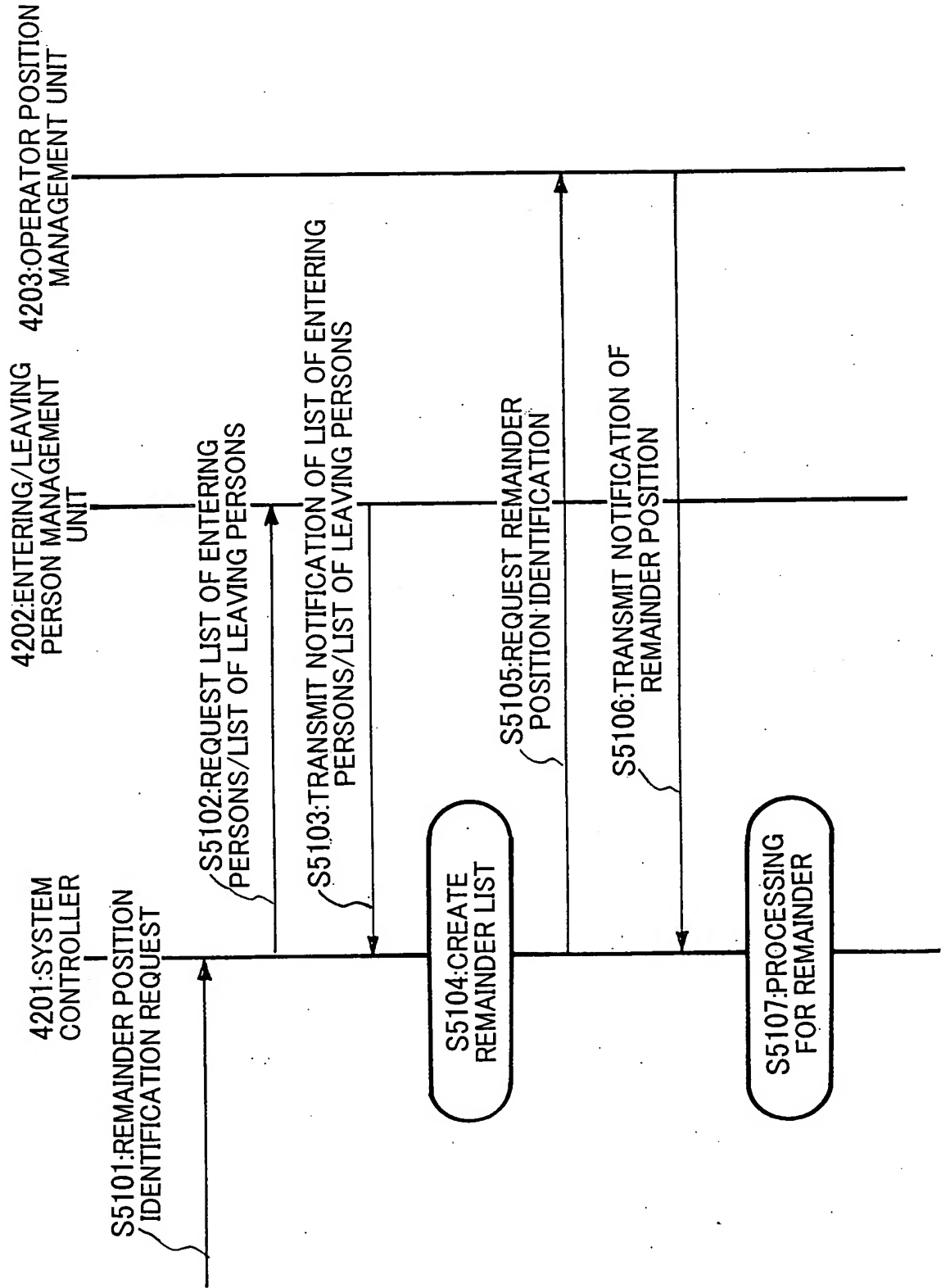


FIG.52

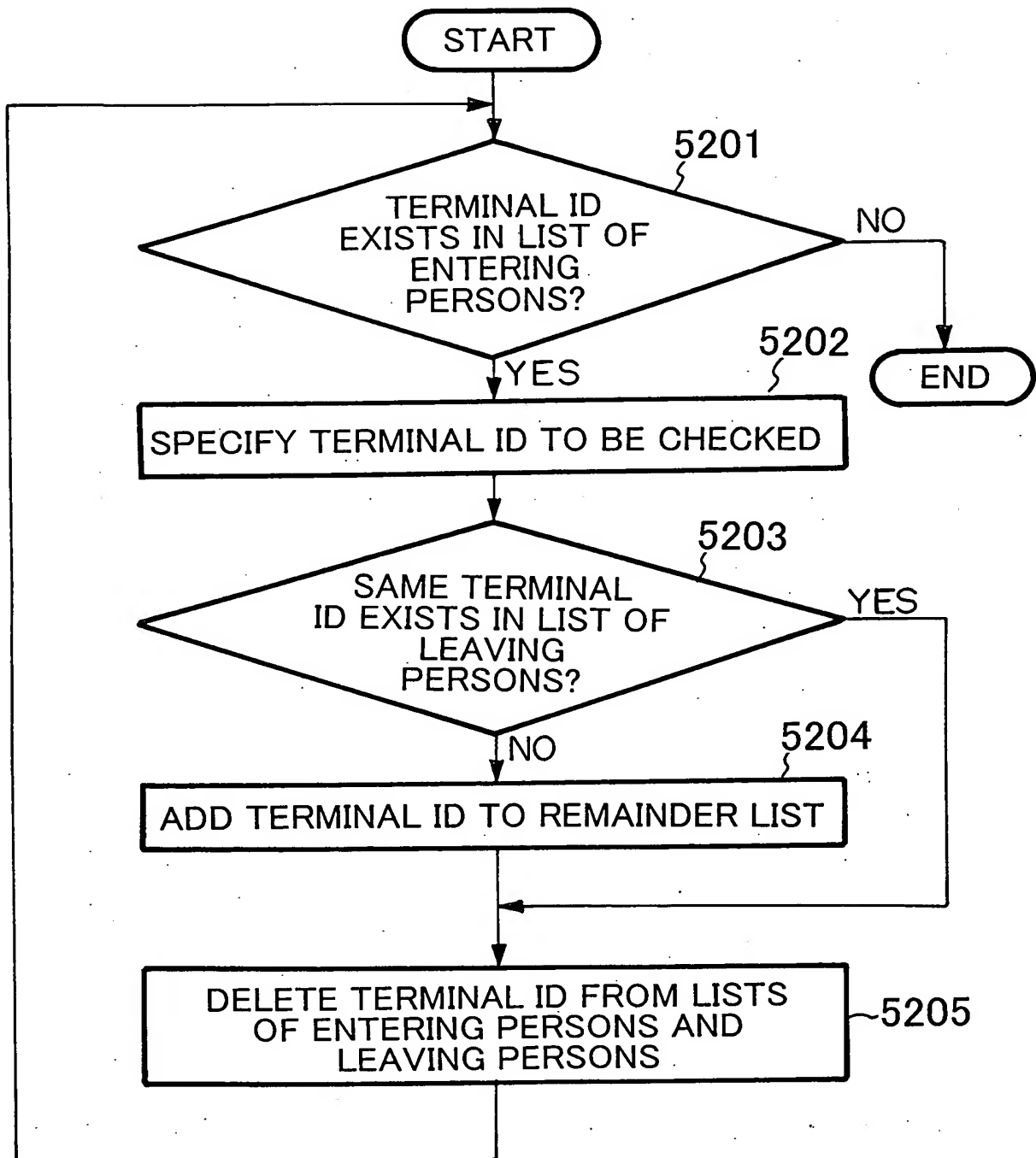


FIG.53

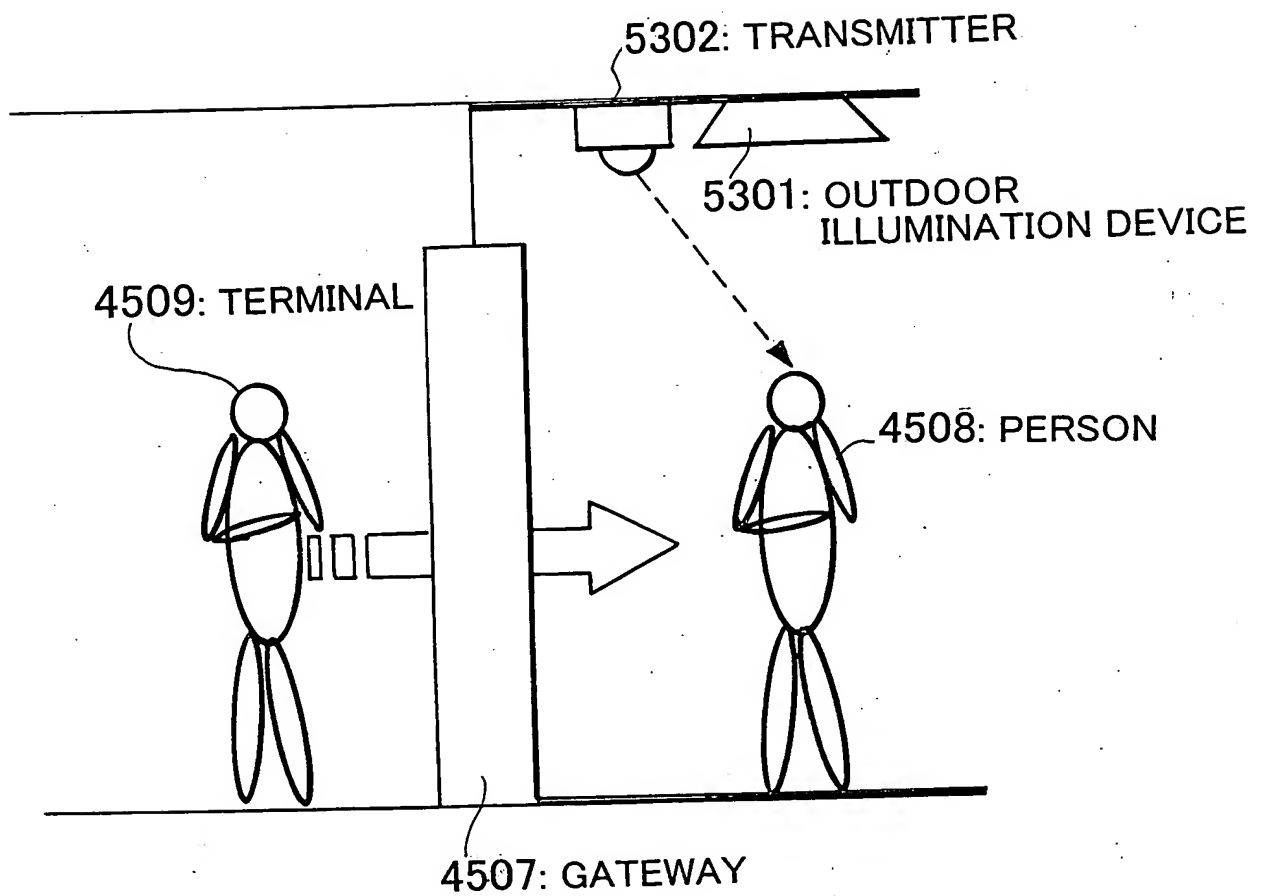
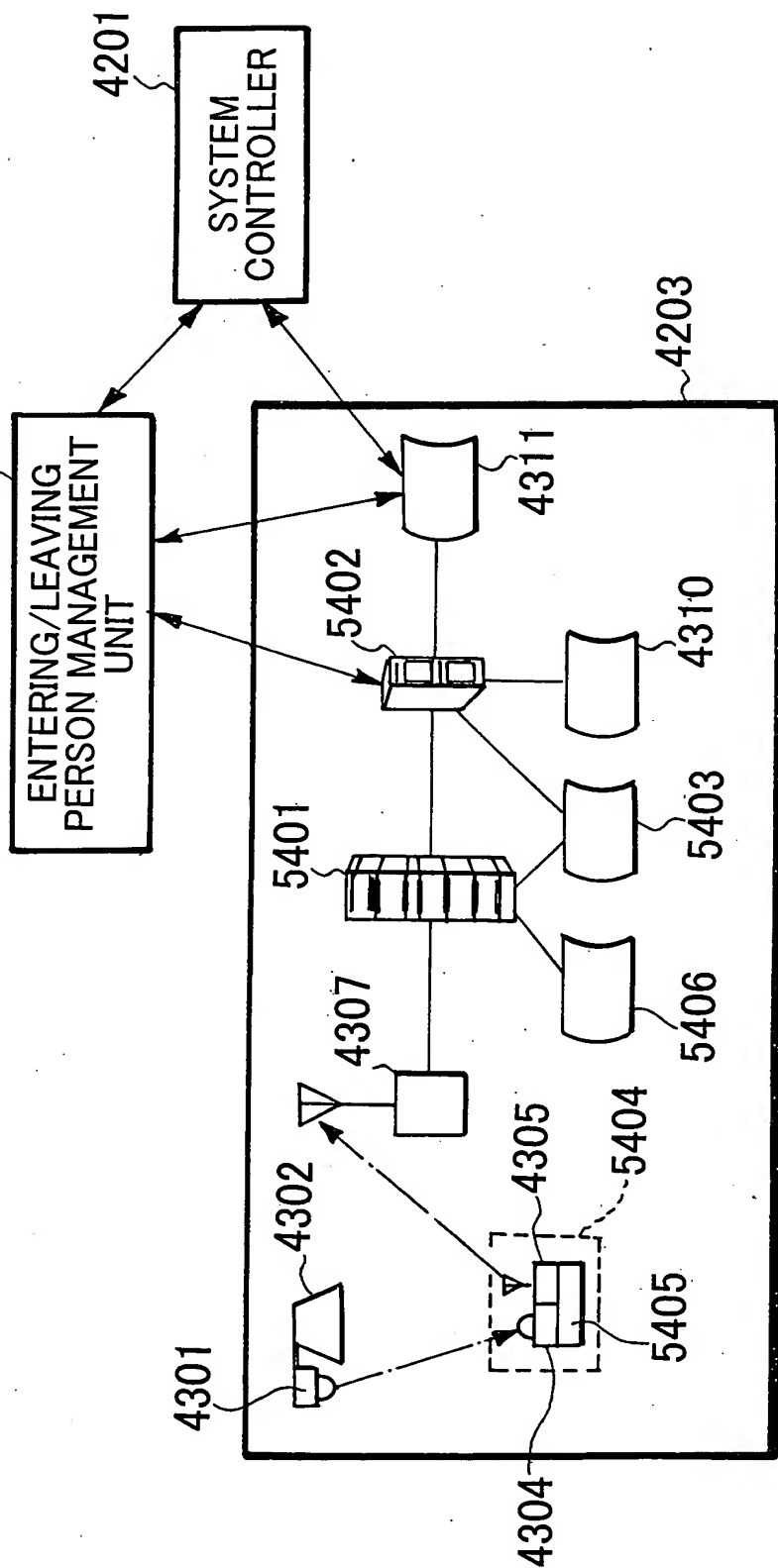


FIG. 54



4311: TERMINAL POSITION INFORMATION DB

5401: SWITCHING SYSTEM

5402: POSITIONING SERVER

5403: PHS POSITION INFORMATION DB

5404: TERMINAL

5405: OPERATION CONTROLLER

5406: BASE STATION INSTALLATION POSITION DB

4203: OPERATOR POSITION MANAGEMENT UNIT

4301: TRANSMITTER

4302: ILLUMINATION DEVICE

4304: LIGHT SIGNAL DETECTION UNIT

4305: PHS TRANSMITTER

4307: PHS BASE STATION

4310: ILLUMINATION INSTALLATION POSITION INFORMATION DB

FIG.55

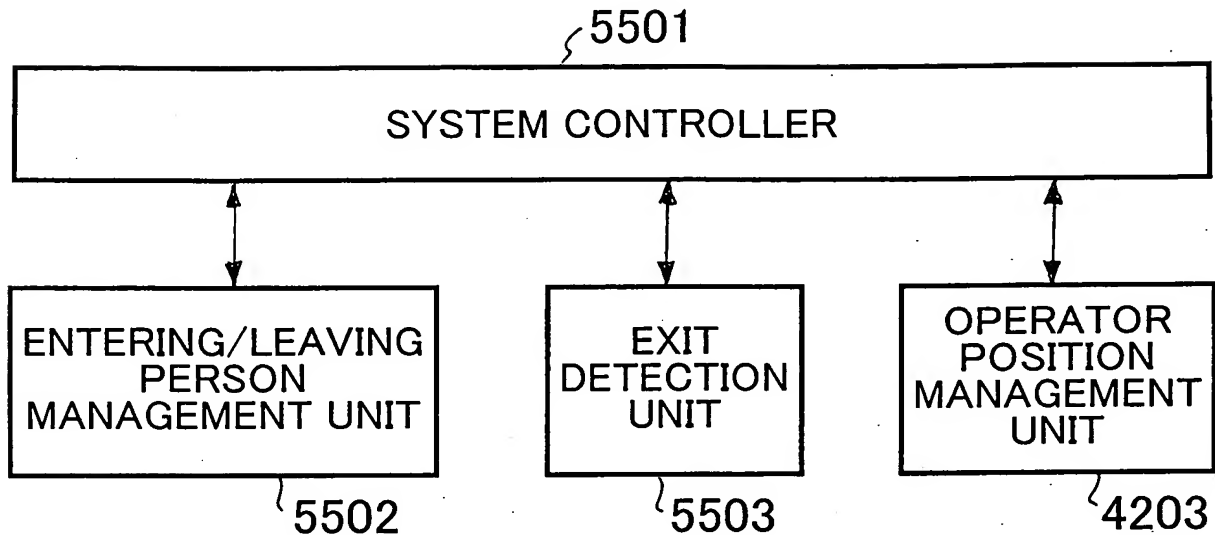


FIG.56

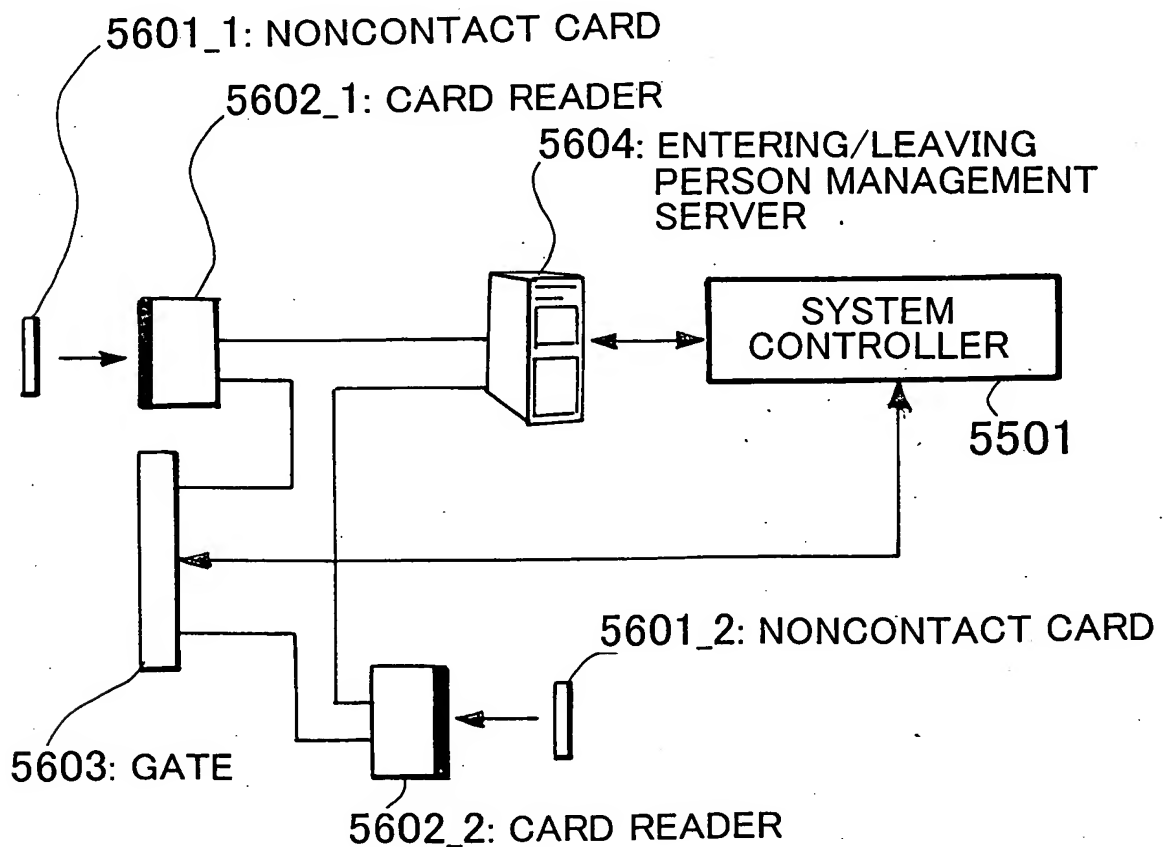
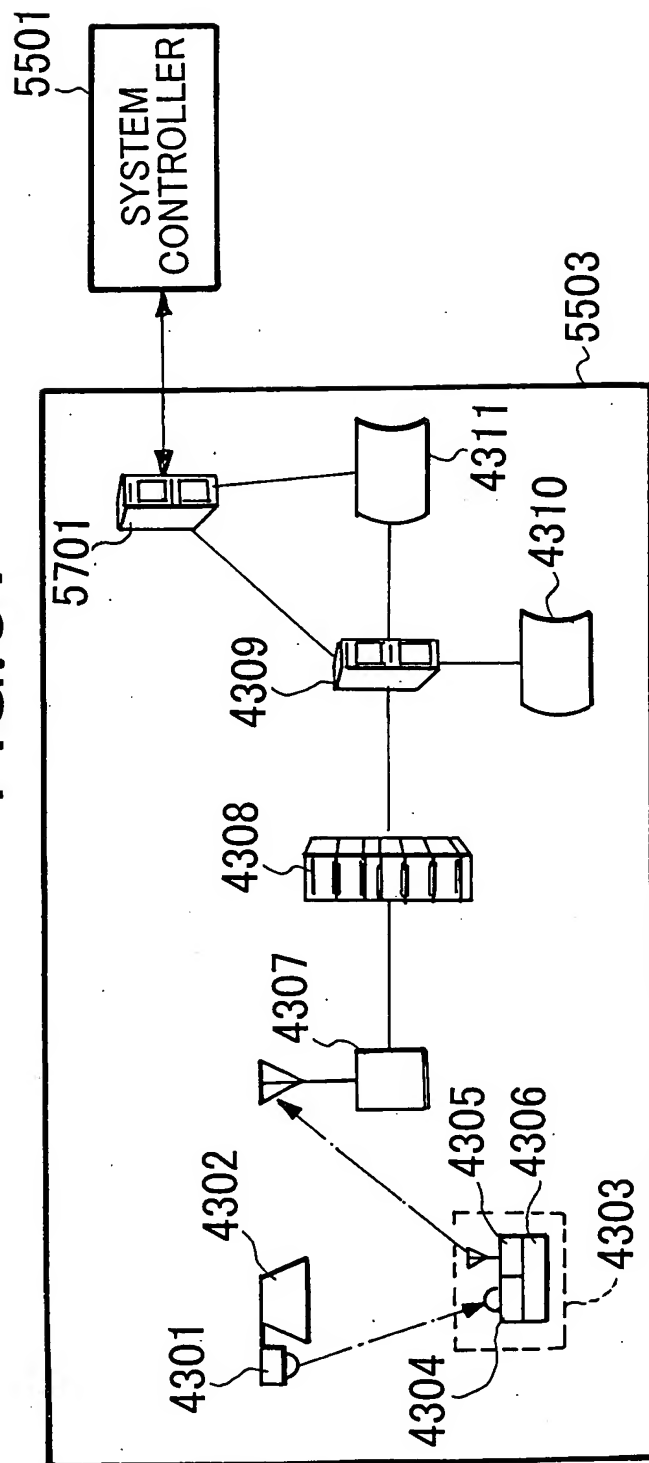


FIG.57



4301: TRANSMITTER
 4302: ILLUMINATION DEVICE
 4303: TERMINAL
 4304: LIGHT SIGNAL DETECTION UNIT
 4305: PHS TRANSMITTER
 4306: OPERATION CONTROLLER
 4307: PHS BASE STATION

4308: SWITCHING SYSTEM
 4309: POSITIONING SERVER
 4310: ILLUMINATION INSTALLATION POSITION INFORMATION DB
 4311: TERMINAL POSITION INFORMATION DB
 5503: EXIT DETECTION UNIT
 5701: EXIT MANAGEMENT SERVER

FIG. 58

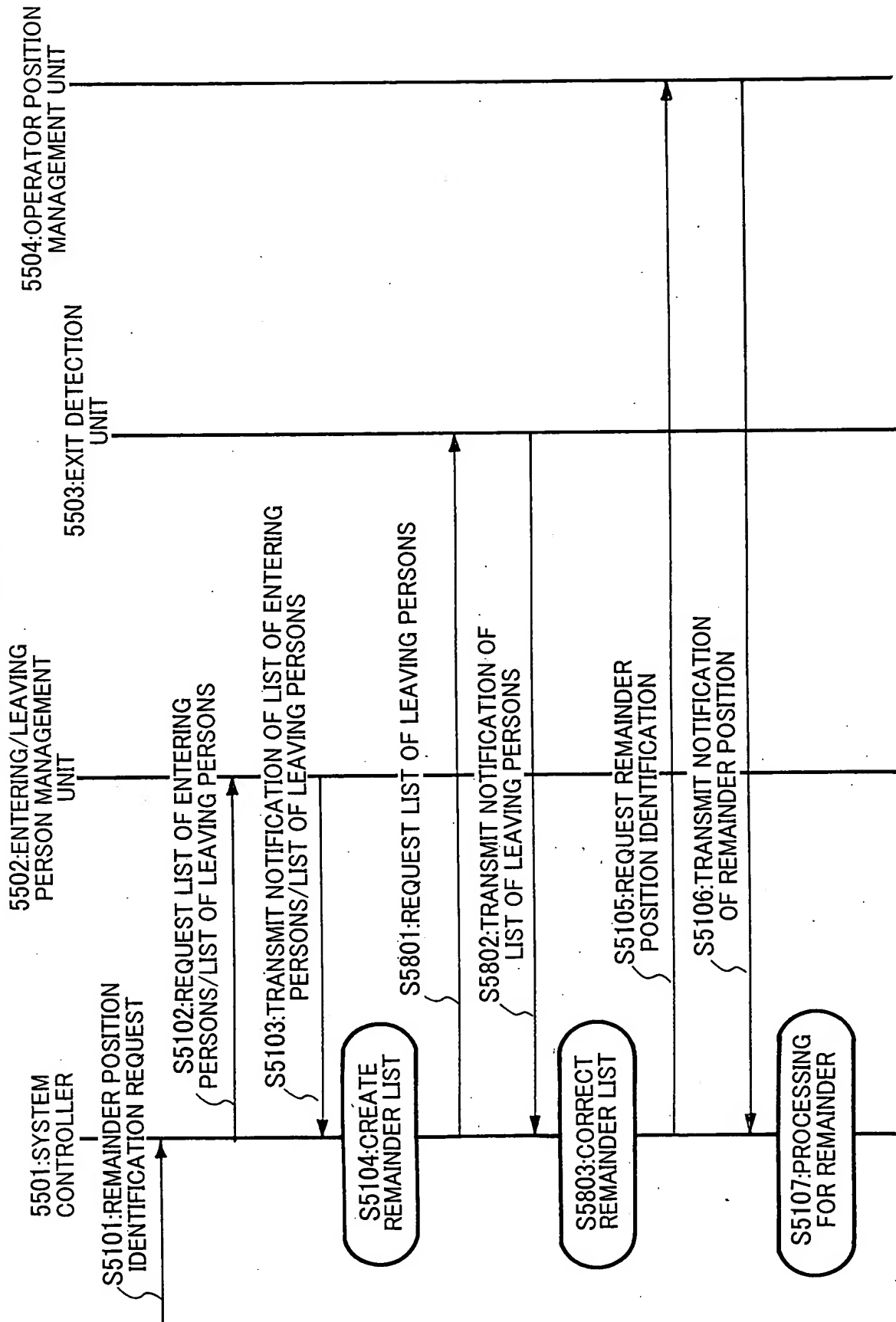


FIG.59

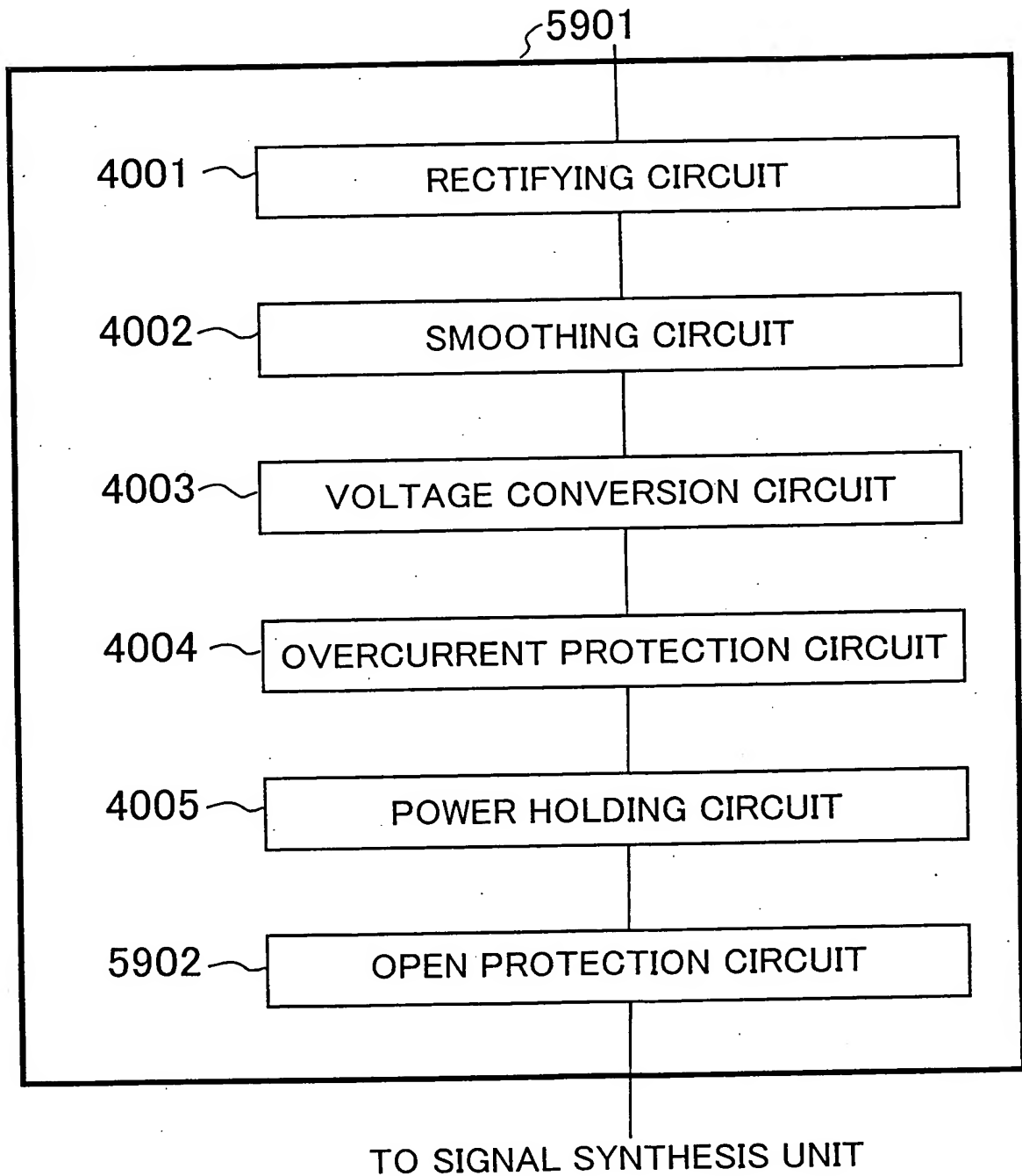
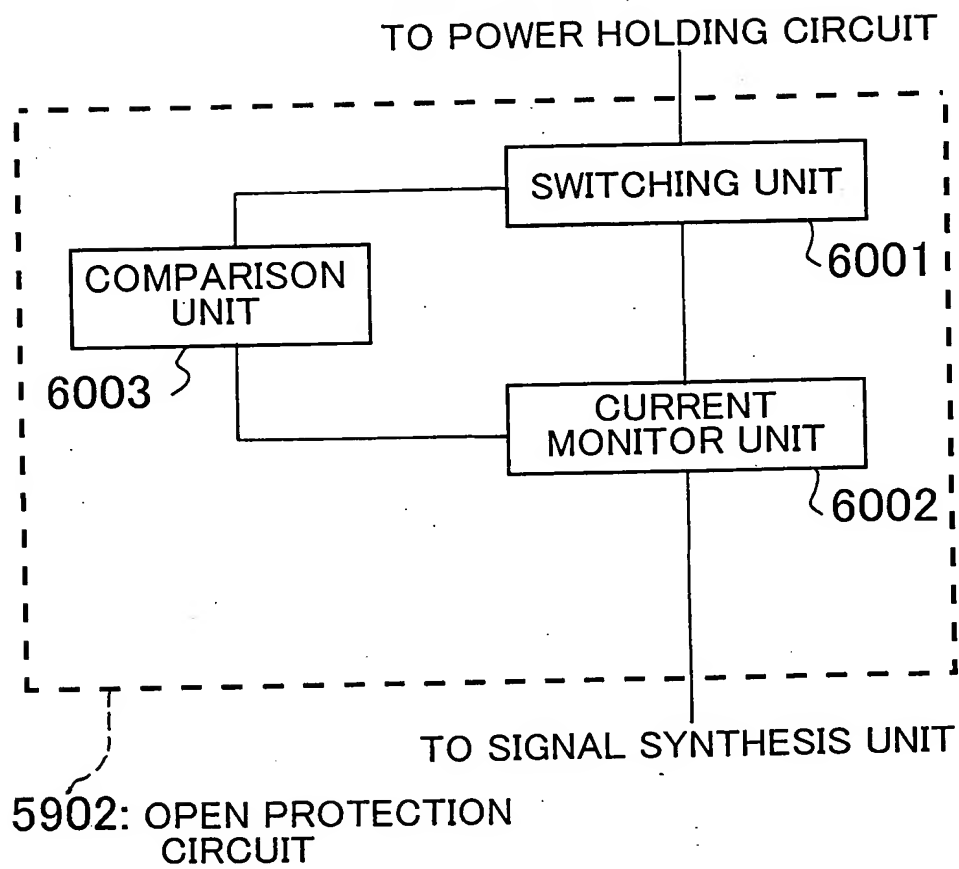


FIG.60



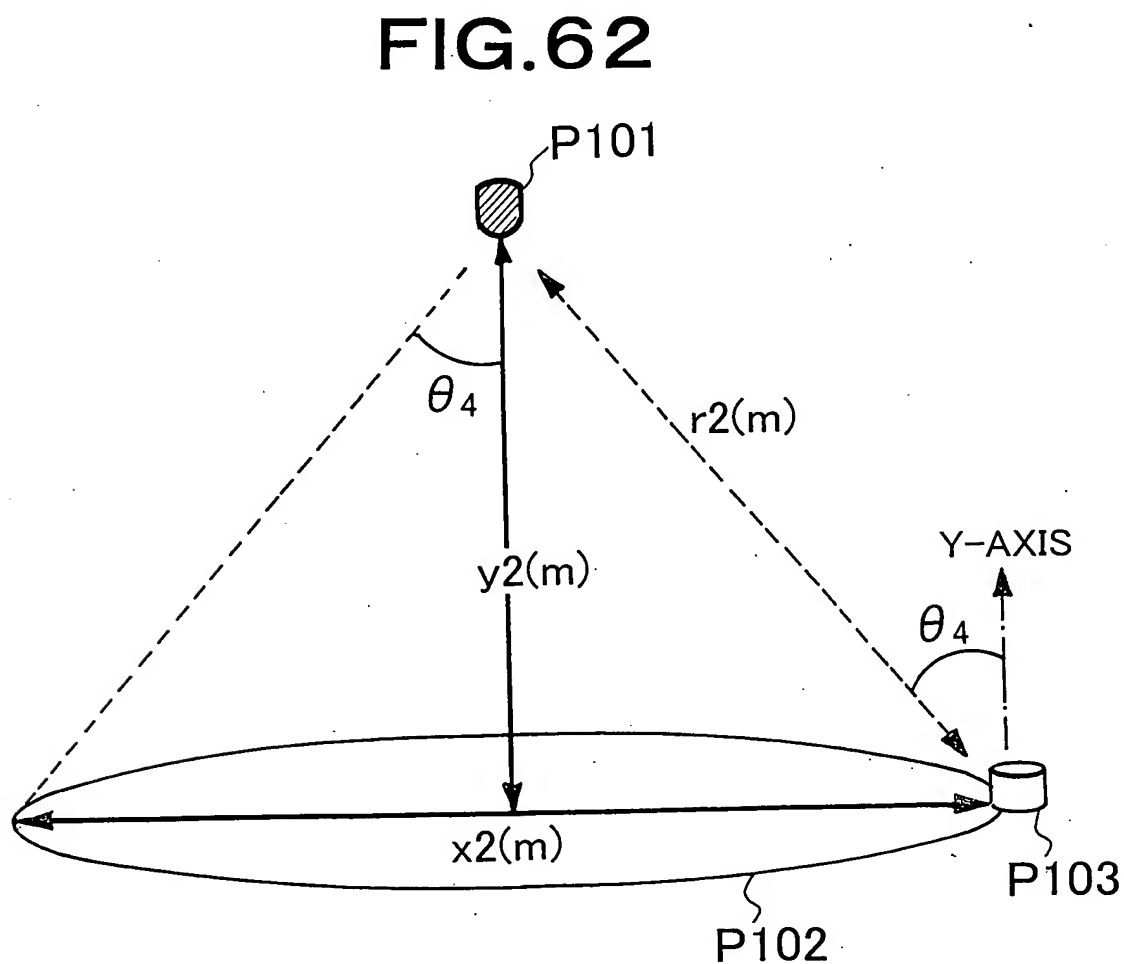
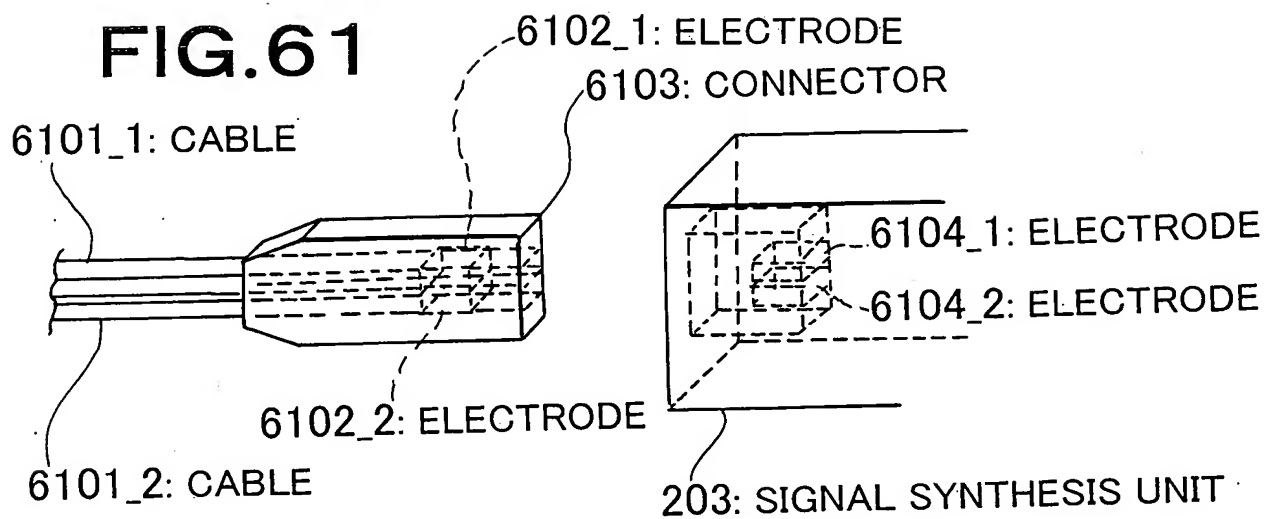


FIG.63

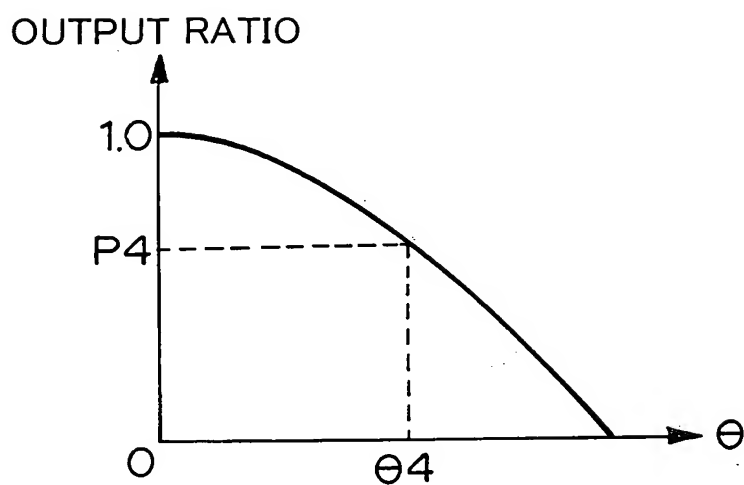


FIG.64

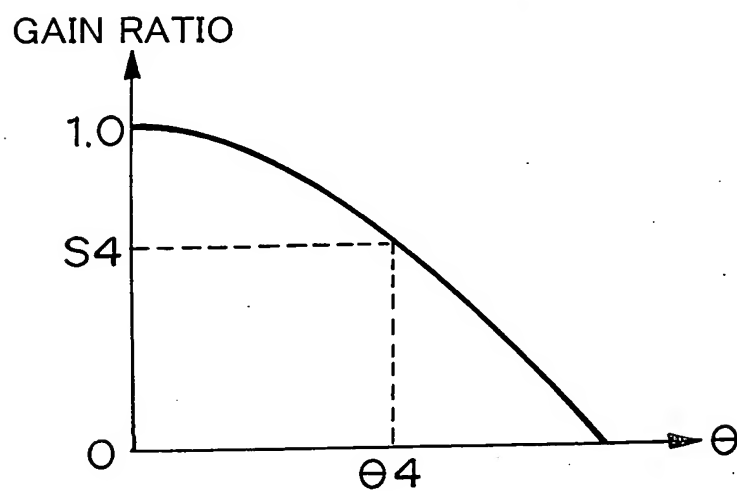


FIG.65

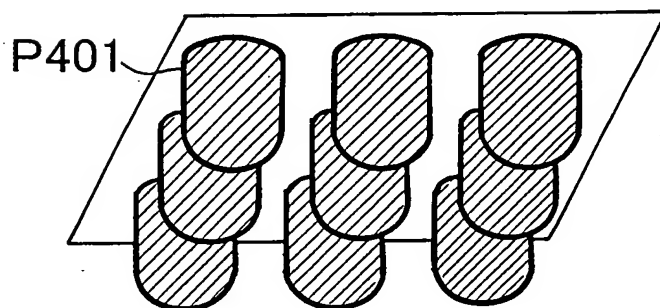


FIG.66

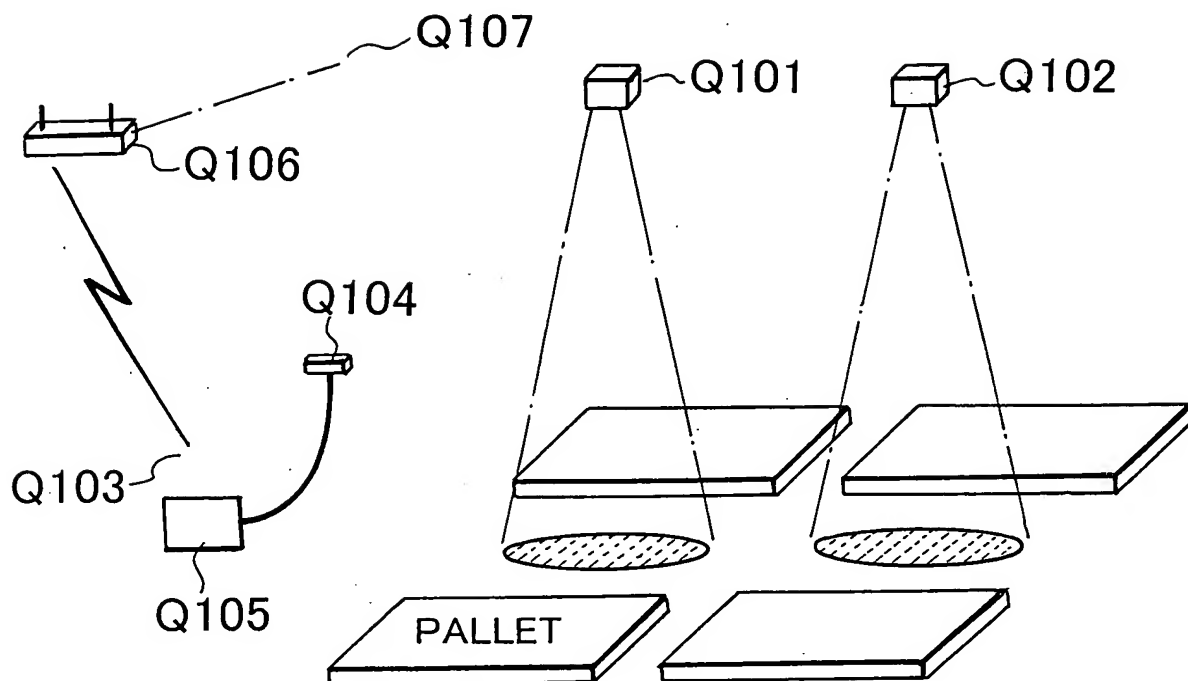


FIG.67

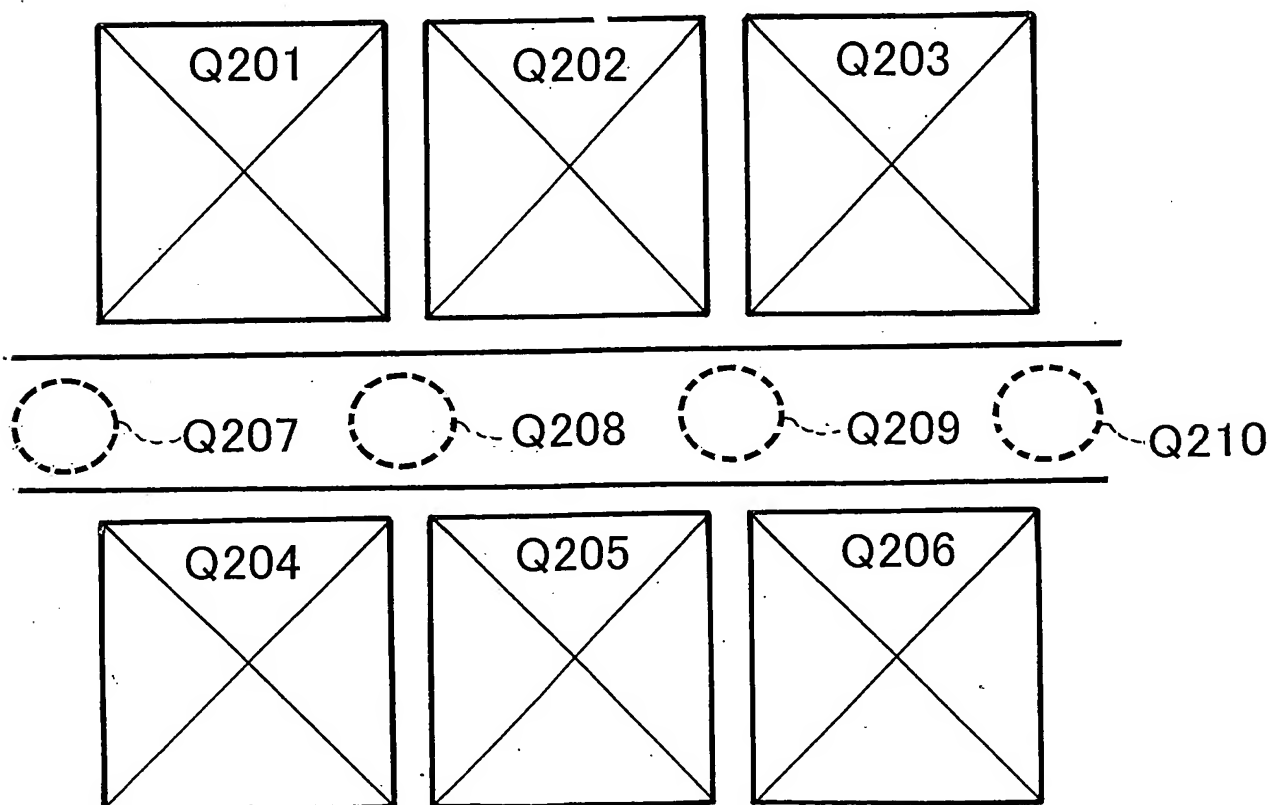


FIG.68

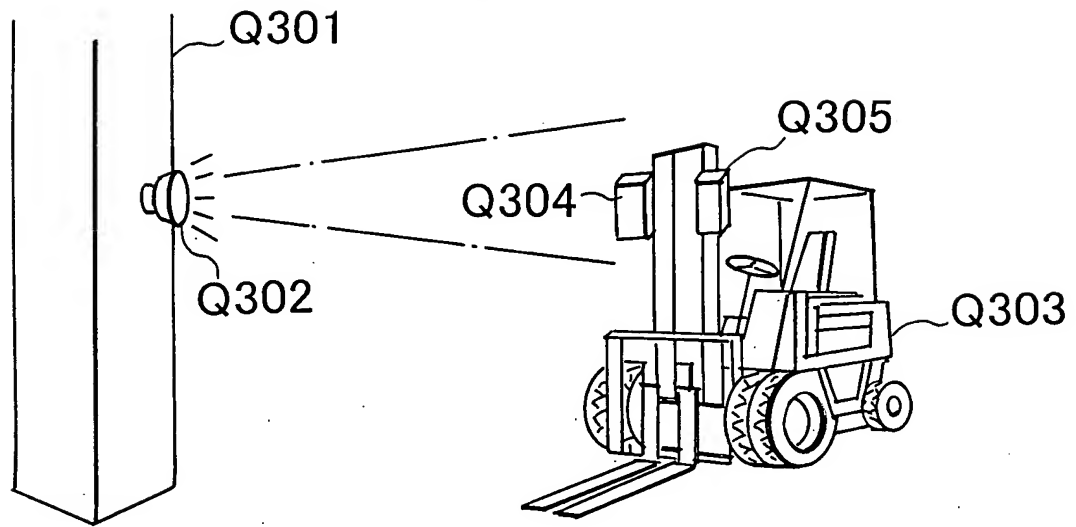


FIG.69

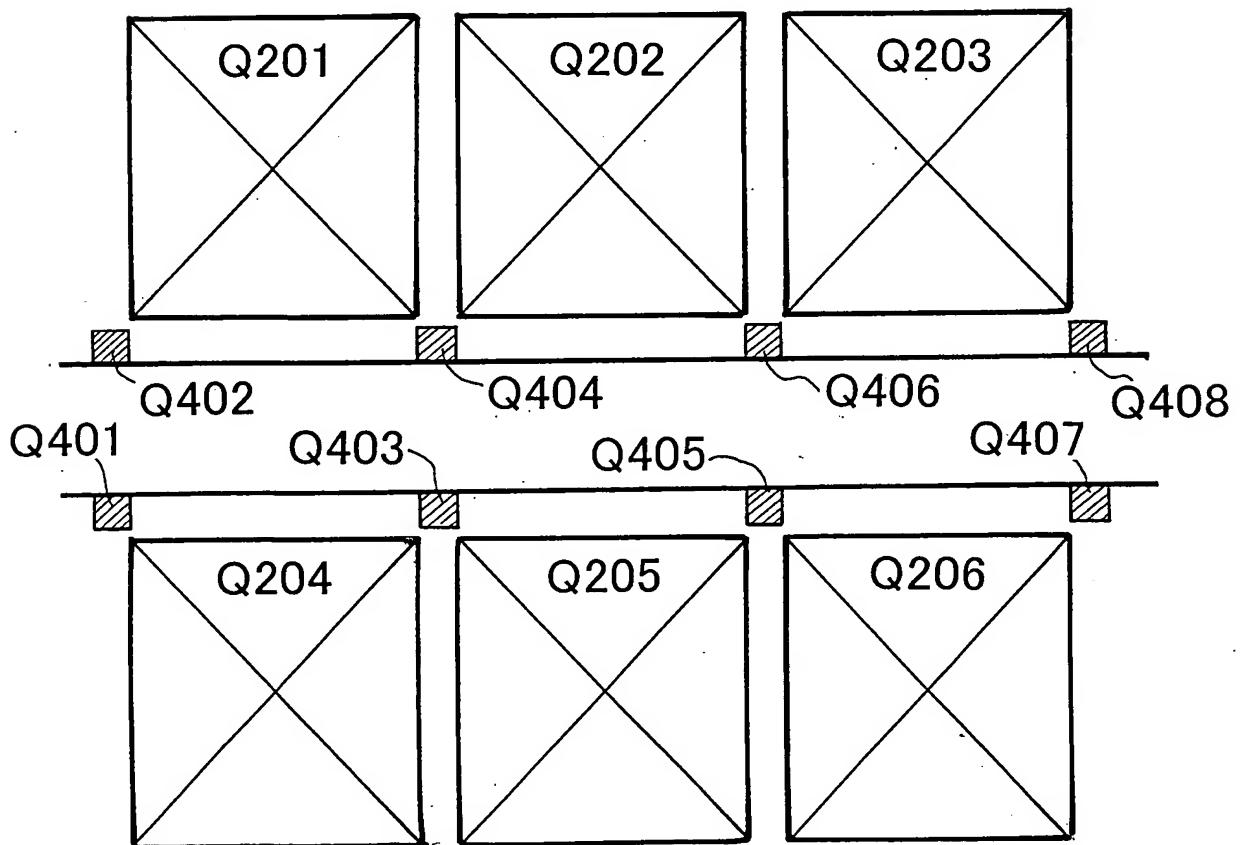


FIG.70

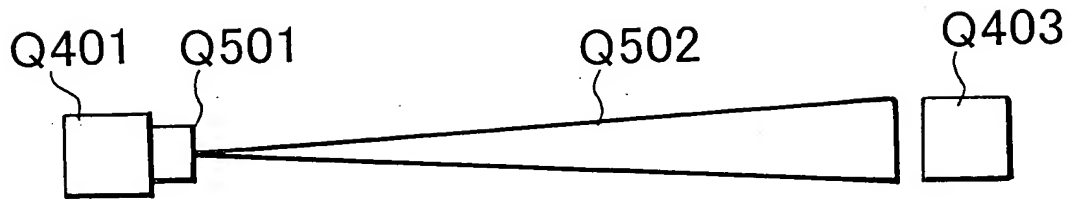


FIG.71

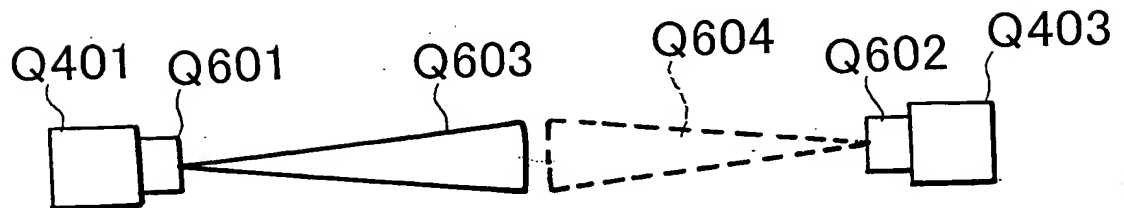


FIG. 72

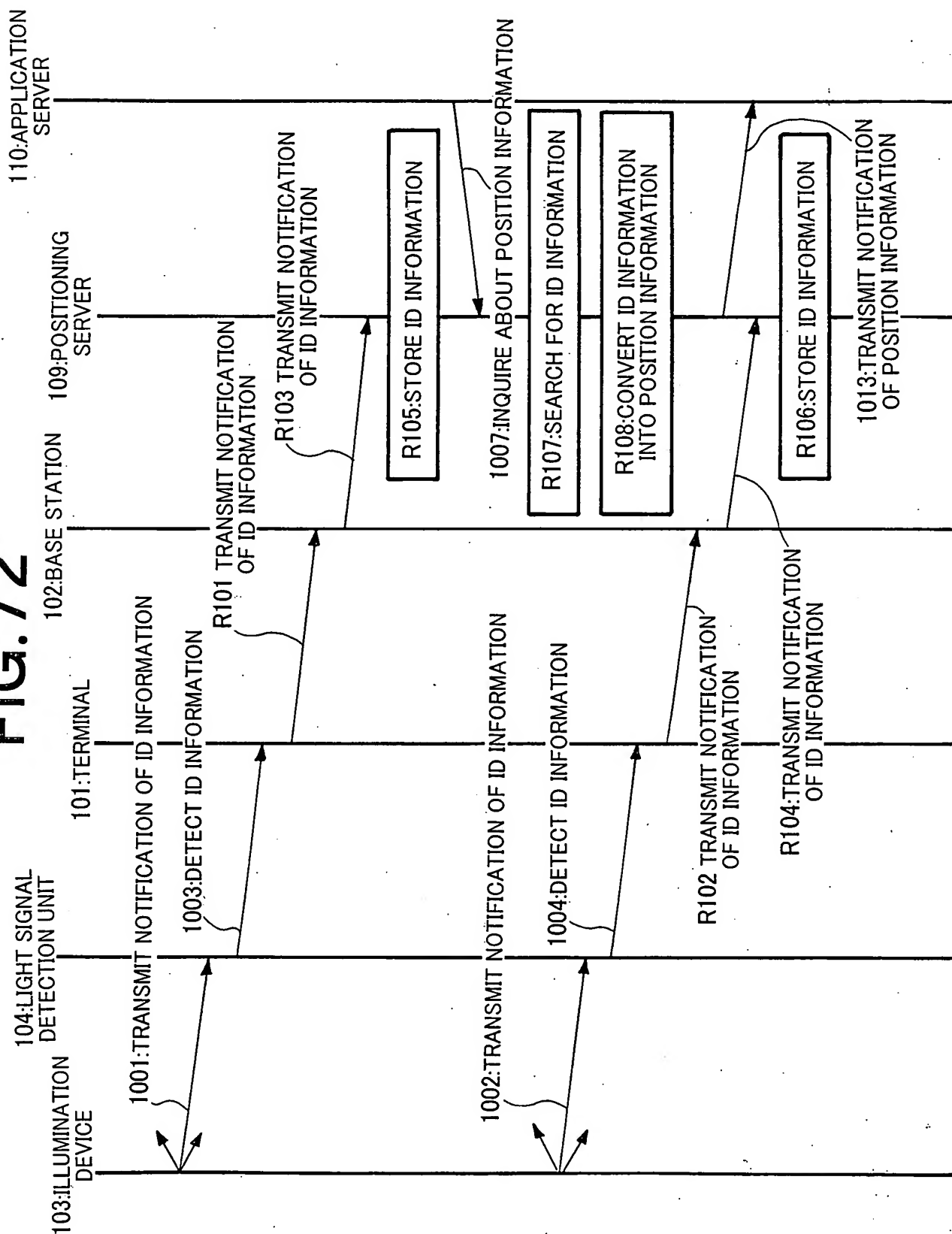


FIG.73

1301 TERMINAL ID	1302 UNIQUE INFORMATION	1303 RECEPTION TIME
ID 1	ILLUMINATION ID 10	2003/10/01 15:10:53
ID 1	ILLUMINATION ID 10	2003/10/01 15:10:57
ID 1	ILLUMINATION ID 03	2003/10/01 15:11:30
ID 2	ILLUMINATION ID 06	2003/10/01 15:12:10
ID 3	ILLUMINATION ID 07	2003/10/01 15:12:10
⋮	⋮	⋮